

LOG NUMBERS

BGT.

, 9/26/14 CEO 2005 3009 SEP 26 2014

EXECUTIVE/COUNCIL APPROVAL FORM**MANAGEMENT ROUTING:**

EXECUTIVE John Lovick
 EXEC. Dir Lenda Crawford
 DIRECTOR/ELECTED Steven Thomsen, P.E.
 DEPARTMENT Public Works
 DIV. MGR. Scott Camp
 DIVISION Admin Operations
 ORIGINATOR Jayne Mansfield
 DATE September 11, 2014 EXT. 6448

TO: **COUNCIL CHAIRPERSON:****SNOHOMISH COUNTY COUNCIL****EXECUTIVE RECOMMENDATION:**

☒ Approve ☐ No Recommendation
☐ Further Processing
☐ Requested By _____

Executive Office Signature

CEO Staff Review

Received at Council Office

9/29/14

cep 9/26/14

CHA 3:45 9/30/14

DOCUMENT TYPE:

☐ BUDGET ACTION:
 ☐ Emergency Appropriation
 ☐ Supplemental Appropriation
 ☐ Budget Transfer
☐ CONTRACT:
 ☐ New
 ☐ Amendment

☐ GRANT APPLICATION
☐ ORDINANCE
 ☐ Amendment to Ord. # _____
☐ PLAN
☒ OTHER - Motion

DOCUMENT / AGENDA TITLE:

2015-2020 Six Year Transportation Improvement Program (TIP)

APPROVAL AUTHORITY:

EXECUTIVE _____ COUNCIL ☒
 CITE BASIS RCW 36.81.121

HANDLING: NORMAL ☒ EXPEDITE _____ URGENT _____ DEADLINE DATE _____

PURPOSE:

To adopt the 2015-2020 Six Year Transportation Improvement Program (TIP).

BACKGROUND:

- RCW 36.81.121 requires each county to prepare and adopt a comprehensive transportation program that contains information as to how the county will expend its money for transportation projects. It includes projects related to capacity, safety, bridges, neighborhood improvements and nonmotorized transportation purposes. The County Road Engineer is required by RCW 36.81.121 to file an adopted 6 Year Transportation Improvement Program (TIP) to the County Road Administration Board (CRAB) by December 31, 2014. The responsibility to distribute the counties' portion of the Motor Vehicle Fuel Tax (MVFT) was given to CRAB in 1985. As such, Counties must comply with CRAB requirements as a condition of receiving funding. Approximately \$ 9 million of Snohomish County's transportation revenues come from this source.
- The TIP is prepared annually to specify the transportation construction program in accordance with the adopted Comprehensive Plan, which sets the stage for future land use and growth through the year 2025.

405 A 972

- The Department of Public Works prepares the Six Year Transportation Improvement Program (TIP) as part of their budget process and is used for development of the 2015 Annual Construction Program (ACP).
- This Transportation Improvement Program (TIP) includes all County Districts.

FISCAL IMPLICATIONS:


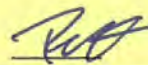
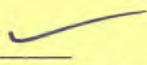
| EXPEND: FUND, AGY, ORG, ACTY, OBJ, AU | CURRENT YR | 2ND YR | 1ST 6 YRS |
|---------------------------------------|------------|--------|-----------|
| | | | |
| TOTAL | | | |

| REVENUE: FUND, AGY, ORG, REV, SOURCE | CURRENT YR | 2ND YR | 1ST 6 YRS |
|--------------------------------------|------------|--------|-----------|
| | | | |
| TOTAL | | | |

DEPARTMENT FISCAL IMPACT NOTES:

This program does not appropriate any funds or authorize any expenditures. The 2015 Annual Construction Program for Transportation (ACP) is developed from the first year of this six year program. The ACP is used to develop the 2015 Road Fund budget which will appropriate the funds.

BUDGET REVIEW:

Analyst Administrator Recommend Approval **CONTRACT INFORMATION:**

| | | | | | | |
|-----------|-------|------------|-------|--------|----|-------|
| ORIGINAL | _____ | CONTRACT # | _____ | AMOUNT | \$ | _____ |
| AMENDMENT | _____ | CONTRACT # | _____ | AMOUNT | \$ | _____ |

CONTRACT PERIOD:

| | | | | |
|-----------|-------|-------|-----|-------|
| ORIGINAL | Start | _____ | End | _____ |
| AMENDMENT | Start | _____ | End | _____ |

CONTRACT / PROJECT TITLE:

CONTRACTOR NAME & ADDRESS (City/State only):

APPROVED:

RISK MANAGEMENT Yes _____ No _____

COMMENTS _____

PROSECUTING ATTY - AS TO FORM: Yes _____ No X**OTHER DEPARTMENTAL REVIEW / COMMENTS:****ELECTRONIC ATTACHMENTS:** (List & include path & filename for each, e.g. G:\ECAF\deptname\docname_Motion)

Council | 2005-3009-

G:\ECAF\dept06_PW\Roads\2015-2020_TIP_ECAF.doc
G:\ECAF\dept06_PW\Roads\2015-2020_TIP_Motion.doc
G:\ECAF\dept06_PW\Roads\2015-2020_TIP.pdf
G:\ECAF\dept06_PW\Roads\2013-Bridge-report.pdf

NON-ELECTRONIC ATTACHMENTS:

1. 2015-2020 Six Year Transportation Improvement Program
2. Motion
3. 2013 Annual Bridge Report

SNOHOMISH COUNTY COUNCIL
Snohomish County, Washington

MOTION NO. 14-365

A MOTION ADOPTING THE 2015-2020 SIX YEAR
TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, RCW 36.81.121 directs the County to prepare and adopt an annual update of a comprehensive six-year transportation improvement program; and

WHEREAS, the annual update of the six-year transportation improvement program has been prepared in accordance with WAC 136-14-050; and

WHEREAS, an engineer's bridge condition report has been made available to the County Council as required by WAC 136-20-060; and

WHEREAS, this update of the six year transportation improvement program is based on and is consistent with the County's long range transportation plan as contained in the Transportation Element for the Snohomish County Comprehensive Plan, adopted in Amended Ordinance No. 05-070 on December 21, 2005, as amended; and

WHEREAS, the needs identified in the Transportation Element are reflected in this annual update of the six-year transportation improvement program; and

WHEREAS, the Department of Public Works considered during the preparation of this annual update of the six-year transportation improvement program the following additional reports, inventories, and other supporting documents:

Snohomish County Transportation Needs Report (TNR) (1995-2011), originally published in September 1995 and last revised in October 2011;

Snohomish County Traffic Mitigation Account Reports; and

2014 Concurrency Report: A Report on the Level-of-Service of Snohomish County's Arterial Units from April 1, 2013 to March 31, 2014; and

WHEREAS, on _____, 2014, a public hearing was held on the six-year transportation improvement program in accordance with RCW 36.81.121;

NOW, THEREFORE, ON MOTION:

1. The Snohomish County 2015-2020 Six Year Transportation Improvement Program submitted by the Snohomish County Engineer, attached hereto as Exhibit A and by this reference incorporated herein, is hereby adopted; and
2. The Snohomish County Engineer shall cause a copy of the Snohomish County 2015-2020 Six-Year Transportation Improvement Program to be filed with the Washington State County Road Administration Board and the Secretary of the Washington State Department of Transportation.

PASSED this _____ of _____, 2014.

SNOHOMISH COUNTY COUNCIL
Snohomish County, Washington

Council Chair

ATTEST:

Asst. Clerk of the Council

| Grand Totals | | 2015-2020 | 2015 | 2016 | 2017 | 2018-2020 | | | | |
|--|-------------------------------------|-----------|------------|------------------|-------------|------------|------------|-----------|---|----|
| | | 214,796 | 31,219 | 35,607 | 36,328 | 111,642 | | | | |
| A. Miscellaneous Engineering and Studies | | | | | | | | | | |
| Group Totals | | 2015-2020 | 2015 | 2016 | 2017 | 2018-2020 | | | | |
| | | 1,785 | 760 | 205 | 205 | 615 | | | | |
| A.01 1660 | Preliminary Engineering: General | | TSA N/A | Cncl Dist All | Type 07 | LFC All | FFC All | Mgr MP | Preliminary engineering for unanticipated projects. | |
| | | 2015-2020 | 2015 PE | 2016 PE | 2017 PE | 2018-2020 | PE | | PE | PE |
| County | | 200 | 50 | 30 | 30 | 90 | | | | |
| | | 200 | 50 | 30 | 30 | 90 | | | | |
| A.01.01 1279 | Miscellaneous Drainage: Review | | TSA N/A | Cncl Dist All | Type 06 | LFC All | FFC All | Mgr LT | Minor internal drainage review on capital road projects. | |
| | | 2015-2020 | 2015 PE | 2016 PE | 2017 PE | 2018-2020 | PE | | PE | PE |
| County | | 90 | 15 | 15 | 15 | 45 | | | | |
| | | 90 | 15 | 15 | 15 | 45 | | | | |
| A.02 XA02 | Right of Way: General | | TSA N/A | Cncl Dist All | Type N/A | LFC All | FFC All | Mgr MM | General right of way activities. | |
| | | 2015-2020 | 2015 RW | 2016 RW | 2017 RW | 2018-2020 | RW | | RW | RW |
| County | | 200 | 50 | 30 | 30 | 90 | | | | |
| | | 200 | 50 | 30 | 30 | 90 | | | | |
| A.03 1212 | Project Close Out and Funding Audit | | TSA N/A | Cncl Dist All | Type N/A | LFC N/A | FFC N/A | Mgr JP | Minor expenses associated with project close-out or audits. | |
| | | 2015-2020 | 2015 CE | 2016 CE | 2017 CE | 2018-2020 | CE | | CE | CE |
| County | | 180 | 30 | 30 | 30 | 90 | | | | |
| | | 180 | 30 | 30 | 30 | 90 | | | | |
| A.13 XA13 | Contribution to WSDOT Projects | | TSA N/A | Cncl Dist All | Type N/A | LFC SR | FFC SR | Mgr DM | Contributions to countywide WSDOT projects. | |
| | | 2015-2020 | 2015 CN | 2016 CN | 2017 CN | 2018-2020 | CN | | CN | CN |
| County | | 600 | 100 | 100 | 100 | 300 | | | | |
| | | 600 | 100 | 100 | 100 | 300 | | | | |

| | | | | | | | | | | | |
|---|---|-------------------------|-----------------------|-----------------------|------------|-----------------------|------------|---|----------|----------|----------|
| A.13.05 1655 | SR9 / 32 St SE - Contributions to WSDOT | TSA N/A | Cncl Dist 5 | Type 06 | LFC SR | FFC SR | Mgr DM | Snohomish County contribution to WSDOT project (SR9 and 32 St SE Roundabout) during design phase. | | | |
| | 2015-2020 | 2015 PE | 2016 | | | 2017 | | 2018-2020 | | | |
| | County | <u>15</u> 15 | <u>15</u> 15 | | | <u>15</u> 15 | | <u>15</u> 15 | | | |
| A.17.01 XA1701 | I-5/116 St NE Interchange Improvement | TSA N/A | Cncl Dist 1 | Type 04 | LFC N/A | FFC 16 | Mgr DM | Coordination with Tulalip Tribe. | | | |
| | 2015-2020 | 2015 CN | 2016 | | | 2017 | | 2018-2020 | | | |
| | County | <u>500</u> 500 | <u>500</u> 500 | | | <u>500</u> 500 | | <u>500</u> 500 | | | |
| B. Pavement Preservation and Rehabilitation Program (PPRP) | | | | | | | | | | | |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 | | | |
| Group Totals | 33,259 | 5,995 | 4,942 | | | 5,202 | | 17,120 | | | |
| B.01 1000 | Countywide Resurfacing: Arterials and Local Access Roads | TSA N/A | Cncl Dist All | Type 07 | LFC All | FFC All | Mgr JOB | Rating of county arterials and local access roads to determine priority of annual road paving and resurfacing work. | | | |
| | 2015-2020 | 2015 PE CE | 2016 PE CE | | | 2017 PE CE | | 2018-2020 PE CE | PE CE | PE CE | PE CE |
| | County | <u>540</u> 540 | <u>90</u> 90 | <u>90</u> 90 | | <u>90</u> 90 | | <u>270</u> 270 | | | |
| B.01.01 7303 | ADA Ramps (Overlay Program) | TSA ALL | Cncl Dist All | Type 06 | LFC All | FFC All | Mgr PDM | Rebuild ramps associated with annual overlay program to meet ADA requirements. | | | |
| | 2015-2020 | 2015 CF | 2016 CF | | | 2017 CF | | 2018-2020 CF | CF | CF | CF |
| | County | <u>4,396</u> 4,396 | <u>658</u> 658 | <u>688</u> 688 | | <u>718</u> 718 | | <u>2,332</u> 2,332 | | | |
| B.01.02 1267 | Countywide Resurfacing: Contract Overlays | TSA N/A | Cncl Dist All | Type 07 | LFC All | FFC All | Mgr JOB | Annual overlay program for paving countywide arterials and local roads. | | | |
| | 2015-2020 | 2015 PE CE CN | 2016 PE CE CN | | | 2017 PE CE CN | | 2018-2020 PE CE CN | PE CE CN | PE CE CN | PE CE CN |
| | CAPP | 4,500 | 750 | 750 | | 750 | | 2,250 | | | |
| | County | <u>17,260</u> 21,760 | <u>2,309</u> 3,059 | <u>2,539</u> 3,289 | | <u>2,769</u> 3,519 | | <u>9,643</u> 11,893 | | | |

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|---|---|-----------------------|-------------|---------------------|-------------|-------------------|-------------------|-------------|---|-------------|-------------|-------------|--|
| B.01.07 1657 | 164 St SE/SW Preservation | | TSA N/A | Cncl Dist 4 | Type 07 | LFC 14 | FFC 14 | Mgr DL | Overlay and ADA upgrades on 164th St SW/SE from Motor Place vicinity to Mill Creek city limits. | | | | |
| | 2015-2020 | | 2015 | CE | 2016 | | 2017 | | 2018-2020 | | | | |
| | County | <u>10</u> 10 | | | | | | | | | | | |
| | | | | <u>10</u> 10 | | | | | | | | | |
| B.01.08 1576 | Rural Road Preservation: Woods Creek Rd | | TSA N/A | Cncl Dist 5 | Type 07 | LFC 07 | FFC 07 | Mgr JOB | Overlay of Woods Creek Rd from S Lake Roesiger Rd to Bollenbaugh Hill Rd. | | | | |
| | 2015-2020 | | 2015 | PE CE CN | 2016 | | 2017 | | 2018-2020 | | | | |
| | County | 858 | | 858 | | | | | | | | | |
| | STP(R) | <u>445</u> 1,303 | | <u>445</u> 1,303 | | | | | | | | | |
| B.03 1572 | ADA Transition Upgrades | | TSA N/A | Cncl Dist All | Type 06 | LFC All | FFC All | Mgr RXP | Spot improvements selected annually from the ADA Transition Plan. | | | | |
| | 2015-2020 | | 2015 | PE RW CE CN | 2016 | PE RW CE CN | 2017 | PE RW CE CN | 2018-2020 | PE RW CE CN | PE RW CE CN | PE RW CE CN | |
| | County | 1,625 | | 575 | | 475 | | | 575 | | | | |
| | HSIP? | 2,000 | | | | | 500 | | 1,500 | | | | |
| | REET II | <u>1,625</u> 5,250 | | <u>300</u> 875 | | <u>400</u> 875 | <u>375</u> 875 | | <u>550</u> 2,625 | | | | |
| C. Non-Motorized / Transit / HOV | | | | | | | | | | | | | |
| | 2015-2020 | | 2015 | | 2016 | | 2017 | | 2018-2020 | | | | |
| Group Totals | 22,811 | | 3,719 | | 2,372 | | 4,029 | | 12,691 | | | | |
| C.00 1573 | Pedestrian Facilities and School Safety Program | | TSA N/A | Cncl Dist All | Type 06 | LFC All | FFC All | Mgr TBA | SKIP - Build on existing efforts to improve non-motorzed facilities near schools in Snohomish County. Facilities will be designed and constructed to current ADA standards. | | | | |
| | 2015-2020 | | 2015 | PE | 2016 | PE | 2017 | | 2018-2020 | | | | |
| | County | <u>89</u> 89 | | <u>68</u> 68 | | <u>21</u> 21 | | | | | | | |
| C.00.01 1683 | Broadway Avenue Ped/Shoulder Improvements Valley View MS to Springhetti Rd | | TSA N/A | Cncl Dist 5 | Type 32 | LFC 08 | FFC 17 | Mgr DL | SKIP - Design memo for pedestrian improvements from Valley View Middle School vicinity to Springhetti Rd. | | | | |
| | 2015-2020 | | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE | | | |
| | County | <u>150</u> 150 | | | | | <u>100</u> 100 | | <u>50</u> 50 | | | | |

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|------------------------|--|-------------------|------------|-------------------|-------------------|-------------|-----------|------------------|---|
| C.00.02 7405 | Mariner High School Pedestrian Improvements | | TSA N/A | Cncl Dist 3 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | LIP - Install 170 ft of sidewalk on E. side of Meridian. Install ADA curb ramp SE quadrant of Meridian & 120 St SW. |
| | 2015-2020 | 2015 | CE CF | 2016 | | 2017 | | 2018-2020 | |
| | LIP BOND | <u>72</u> 72 | | <u>72</u> 72 | | | | | |
| C.00.04 1673 | Jefferson Elementary Pedestrian Improvements - Cadet Way | | TSA N/A | Cncl Dist 5 | Type 12 | LFC 19 | FFC 19 | Mgr SG | SKIP/LIP - Install 5 foot porous concrete sidewalk separated by 5' vegetated strip and fill in sidewalk gaps. |
| | 2015-2020 | 2015 | PE CE CN | 2016 | | 2017 | | 2018-2020 | |
| | County | 110 | | 110 | | | | | |
| | LIP BOND | <u>227</u> 337 | | <u>227</u> 337 | | | | | |
| C.00.05 1674 | Centennial Middle School Pedestrian Improvements | | TSA N/A | Cncl Dist 5 | Type 12 | LFC 07 | FFC 16 | Mgr MAO | SKIP/LIP - Provide school crossing, pedestrian activated signal and pathway connection to Centennial Trail. |
| | 2015-2020 | 2015 | CE CN | 2016 | | 2017 | | 2018-2020 | |
| | LIP BOND | <u>38</u> 38 | | <u>38</u> 38 | | | | | |
| C.00.11 7408 | Hazelwood E.S. Pedestrian Accessible Shoulder - 204 St SW | | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr RXP | SKIP - Widen approx. 500 LF of shoulder on the south side of 204 St SW. |
| | 2015-2020 | 2015 | CE CF | 2016 | | 2017 | | 2018-2020 | |
| | County | <u>103</u> 103 | | <u>103</u> 103 | | | | | |
| C.00.12 7409 | Maltby E.S. Pedestrian Accessible Shoulder - 212 St SE | | TSA N/A | Cncl Dist 5 | Type 12 | LFC 09 | FFC 19 | Mgr RXP | SKIP - Widen approx. 380 LF of shoulder on the south side of 212 St SE. |
| | 2015-2020 | 2015 | CE CF | 2016 | | 2017 | | 2018-2020 | |
| | County | <u>83</u> 83 | | <u>83</u> 83 | | | | | |
| C.00.13 1689 | Oak Heights E.S. Pedestrian Accessible Shoulder - Jefferson Way | | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr SG | SKIP - Widen approx. 720 LF of shoulder on the south side of Jefferson Way. |
| | 2015-2020 | 2015 | PE RW | 2016 | CE CN | 2017 | | 2018-2020 | |
| | County | <u>275</u> 275 | | <u>30</u> 30 | <u>245</u> 245 | | | | |

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|--------------------------|---|-----------------|----------------------|------------|-----------|-------------------|------------|--|
| C.00.14 1690 | Seattle Hill E.S. Pedestrian Accessible Shoulder - 51 Ave SE | TSA N/A | Cncl Dist 5 | Type 12 | LFC 17 | FFC 17 | Mgr MAO | SKIP - Widen approx. 270 LF of shoulder on the east side of 51 Ave SE. |
| | 2015-2020 | 2015 PE | 2016 CE CN | | | 2017 | | 2018-2020 |
| | County <u>102</u> 102 | <u>5</u> 5 | <u>97</u> 97 | | | <u></u> | | <u></u> |
| C.00.16 XC0016 | 90 S SE Shldr Imp: 27 Ave SE to Rivercrest Rd | TSA N/A | Cncl Dist 5 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | SKIP - Construct approx. 1,270 LF of 5 ft. accessible shoulder on north side of 90 St SE from 27 Ave SE to Rivercrest Ave. |
| | 2015-2020 | 2015 | 2016 PE RW | | | 2017 CE CN | | 2018-2020 |
| | County <u>508</u> 508 | <u></u> | <u>88</u> 88 | | | <u>420</u> 420 | | <u></u> |
| C.00.17 XC0017 | 6 Av W Shldr Imp: 112 St SW to 108 St SW | TSA N/A | Cncl Dist 2 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | SKIP- Construct approx. 1,100 LF of 5 ft. shoulder on west side of 6 Ave W from 112 St SW to 108 St SW. |
| | 2015-2020 | 2015 PE | 2016 PE RW | | | 2017 CE CN | | 2018-2020 |
| | County <u>503</u> 503 | <u>30</u> 30 | <u>70</u> 70 | | | <u>403</u> 403 | | <u></u> |
| C.00.19 XC0019 | 116 St SE / 2 Ave SE Shoulder Improvements | TSA N/A | Cncl Dist 3 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | SKIP - Pave north shoulder of 116 St SE from 2 Ave SE to Silver Way & west side of 2 Ave SE from 116 Pl SE to 116 St SE. |
| | 2015-2020 | 2015 PE | 2016 PE CE CF | | | 2017 | | to 116 St SE. 2018-2020 |
| | County <u>160</u> 160 | <u>10</u> 10 | <u>150</u> 150 | | | <u></u> | | <u></u> |
| C.00.20 XC0020 | Silver Wy Shldr Imp: 120 St SE to 116 St SE | TSA N/A | Cncl Dist 3 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | SKIP - Pave west shoulder of Silver Way from 185 ft. North of 120 St SE to 116 St SE. |
| | 2015-2020 | 2015 PE | 2016 PE CE CF | | | 2017 | | 2018-2020 |
| | County <u>200</u> 200 | <u>10</u> 10 | <u>190</u> 190 | | | <u></u> | | <u></u> |
| C.00.26 XC0026 | Admiralty Wy Shldr Imp: Manor Wy to Gibson Rd | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr TBA | SKIP - Pave approx. 770 LF of shoulder on the west side of Admiralty Way and improve drainage. |
| | 2015-2020 | 2015 PE | 2016 PE CE CF | | | 2017 | | 2018-2020 |
| | County <u>150</u> 150 | <u>10</u> 10 | <u>140</u> 140 | | | <u></u> | | <u></u> |

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|--------------------------|--|-----------------------|-------------------|-----------------|-----------|-------------------|------------|---|-------|-------------|
| C.00.27 XC0027 | Burley Dr Sidewalk: Goblin Ln - E to existing sidewalk | TSA N/A | Cncl Dist 5 | Type 12 | LFC 19 | FFC 19 | Mgr TBA | SKIP - Construct approx. 175 LF of curb/gutter/sidewalk on the north side of Burley Drive and improve drainage. | | |
| | 2015-2020 | 2015 | PE CE CF | 2016 | | 2017 | | 2018-2020 | | |
| | County | <u>180</u> 180 | <u>180</u> 180 | <u></u> | | <u></u> | | <u></u> | | |
| C.00.28 XC0028 | Burley Dr Sidewalk: Everett C/L to Goblin Ln | TSA N/A | Cncl Dist 5 | Type 12 | LFC 19 | FFC 19 | Mgr TBA | SKIP - Construct approx. 1,200 LF of sidewalk on one side of Burley Drive and improve drainage. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE | 2017 | PE RW | 2018-2020 | CE CN | |
| | County | <u>880</u> 880 | <u>40</u> 40 | <u>60</u> 60 | | <u>140</u> 140 | | <u>640</u> 640 | | |
| C.00.29 XC0029 | 212 St SE Shldr Imp: 95 Ave SE - Apprx 91 Ave SE | TSA N/A | Cncl Dist 5 | Type 12 | LFC 09 | FFC 19 | Mgr TBA | SKIP - Pave and stripe 1,100 LF of shoulder on north side of 212 St SE and improve drainage. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE RW | 2017 | CE CN | 2018-2020 | | |
| | County | <u>430</u> 430 | <u>30</u> 30 | <u>90</u> 90 | | <u>310</u> 310 | | <u></u> | | |
| C.00.30 XC0030 | Gibson Rd Shldr Imp: 450 ft E of Avondale Wy to Avondale Wy | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr TBA | SKIP - Pave approx. 450 LF of shoulder on the north side of Gibson Rd and improve drainage. | | |
| | 2015-2020 | 2015 | PE RW CE CN | 2016 | | 2017 | | 2018-2020 | | |
| | County | <u>195</u> 195 | <u>195</u> 195 | <u></u> | | <u></u> | | <u></u> | | |
| C.00.31 XC0031 | 64 St SE Shldr Imp: 76 Dr SE to Riverview E.S. | TSA N/A | Cncl Dist 5 | Type 12 | LFC 09 | FFC 19 | Mgr TBA | SKIP - Pave approx. 800 LF of shoulder on the south side of 64 St SE and improve drainage. | | |
| | 2015-2020 | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE RW | CE CN |
| | County | <u>380</u> 380 | <u></u> | <u></u> | | <u>30</u> 30 | | <u>350</u> 350 | | |
| C.00.32 XC0032 | 188 St SE Shldr Imp: 83 Ave SE to SR 9 | TSA N/A | Cncl Dist 5 | Type 12 | LFC 09 | FFC 19 | Mgr TBA | SKIP - Pave approx. 2,800 LF of shoulder on the north side of 188 St SE and improve drainage. | | |
| | 2015-2020 | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE | PE RW CE CN |
| | County | <u>1,221</u> 1,221 | <u></u> | <u></u> | | <u>50</u> 50 | | <u>1,171</u> 1,171 | | |

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|--------------------------|---|-------------------|-------------------|-------------------|------------|-----------------|------------|---|
| C.00.33 XC0033 | Damson Rd Sidewalk: Hilltop Fire Station | TSA N/A | Cncl Dist 3,4 | Type 12 | LFC 17 | FFC 17 | Mgr TBA | SKIP - Construct approx. 200 LF of sidewalk in front of Hilltop Fire Station to the south and improve drainage. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | PE RW | 2018-2020 CE CN |
| | County | <u>160</u> 160 | | | | <u>65</u> 65 | | <u>95</u> 95 |
| C.00.34 XC0034 | 64 St SE Shldr Imp: Riverview E.S. to Foster Slgh Rd | TSA N/A | Cncl Dist 5 | Type 12 | LFC 09 | FFC 19 | Mgr TBA | SKIP - Pave approx. 1,100 LF of shoulder on the south side of 64 St SE and improve drainage. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE PE RW CE CN |
| | County | <u>431</u> 431 | | | | | | <u>431</u> 431 |
| C.00.35 XC0035 | Center Rd / Marino Ave Shldr Imp: Alexander Rd to Fairmount E.S. | TSA N/A | Cncl Dist 2 | Type 12 | LFC 19 | FFC 19 | Mgr TBA | SKIP - Pave approx. 1,280 LF of shoulder on the west side of Center Rd / Marino Rd to back access of Fairmount School and improve drainage. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE PE CE CN |
| | County | <u>505</u> 505 | | | | | | <u>505</u> 505 |
| C.00.36 XC0036 | Center Rd Shldr Imp: Marino Ave to Apprx 550 ft W | TSA N/A | Cncl Dist 2 | Type 12 | LFC 19 | FFC 19 | Mgr TBA | SKIP - Pave approx. 550 LF of shoulder on the north side of Center Rd and improve drainage. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE PE CE CN |
| | County | <u>246</u> 246 | | | | | | <u>246</u> 246 |
| C.01.01 1502 | Pedestrian Facility Feasibility Studies | TSA N/A | Cncl Dist All | Type 05 | LFC All | FFC All | Mgr RXP | Preliminary pedestrian facility feasibility studies. |
| | 2015-2020 | 2015 PE | 2016 PE | | | 2017 PE | | 2018-2020 PE PE PE |
| | County | <u>180</u> 180 | <u>30</u> 30 | <u>30</u> 30 | | <u>30</u> 30 | | <u>90</u> 90 |
| C.01.38 XC0138 | Poplar Way: 208 Place SW to Larch Way Pedestrian Improvements | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr TBA | Install missing sidewalk gaps. |
| | 2015-2020 | 2015 PE | 2016 PE RW | | | 2017 RW | | 2018-2020 CE CN |
| | County | <u>430</u> 430 | <u>10</u> 10 | <u>120</u> 120 | | <u>53</u> 53 | | <u>247</u> 247 |

| | | | | | | | | |
|---------------------------|---|-------------------|----------------------|------------|------------|-------------------|------------|--|
| C.01.39 XC0139 | State Route 99 Feasibility Study | TSA N/A | Cncl Dist 5 | Type 32 | LFC SR | FFC SR | Mgr JGL | Provides further study for sidewalk projects recommended in SR 99 Development Plan. Feasibility study will take a broad look at environmental and right of way issues and provide a preliminary cost est |
| | 2015-2020 | 2015 PE | 2016 PE | | | 2017 PE | | 2018-2020 PE PE PE |
| | County | 79 | 54 | 5 | | 5 | | 15 |
| | | 79 | 54 | 5 | | 5 | | 15 |
| C.06 1548 | Meadow Road Pedestrian Facility: 164 St SW to Meridian Ave | TSA N/A | Cncl Dist 4 | Type 06 | LFC 17 | FFC 17 | Mgr BCL | Provide interim pedestrian improvements on one side of roadway. Project to be completed for CN PS&E. |
| | 2015-2020 | 2015 | 2016 PE RW | | | 2017 | | 2018-2020 |
| | County | 255 | 255 | | | | | |
| | | 255 | 255 | | | | | |
| C.09.03.01 1570 | Corridor TDM Regional Partnership | TSA D/F | Cncl Dist 2,3,4,5 | Type 23 | LFC N/A | FFC N/A | Mgr JGL | Extension of current Corridor Transportation Demand Management (TDM) program. |
| | 2015-2020 | 2015 PE CN | 2016 PE CN | | | 2017 PE CN | | 2018-2020 PE CN CN CN |
| | CMAQ | 465 | 303 | 162 | | | | |
| | CMAQ? | 600 | | | | 300 | | 300 |
| | County | 176 | | | | | | 176 |
| | CT | 23 | 15 | 8 | | | | |
| | TDM/DD | 456 | 30 | 127 | | 45 | | 254 |
| | TDM/FF | 80 | 2 | 53 | | 5 | | 20 |
| | | 1,800 | 350 | 350 | | 350 | | 750 |
| C.13 XC13 | 11 Ave NE Ped / Shoulder Improvements | TSA N/A | Cncl Dist 1 | Type 05 | LFC 09 | FFC 09 | Mgr MAO | Widening of roadway to provide pedestrian accessible shoulders from 45 Road to Cougar Elementary School. |
| | 2015-2020 | 2015 PE | 2016 PE | | | 2017 PE RW | | 2018-2020 CE CN |
| | County | 353 | 5 | 56 | | 292 | | |
| | LPWAF? | 800 | | | | | | 800 |
| | | 1,153 | 5 | 56 | | 292 | | 800 |
| C.14 XC14 | 45 Road Ped / Shoulder Improvements | TSA N/A | Cncl Dist 1 | Type 05 | LFC 08 | FFC 08 | Mgr MAO | Widening of roadway to provide pedestrian accessible shoulders from 11th Ave NE to McRae Road. |
| | 2015-2020 | 2015 | 2016 PE | | | 2017 PE | | 2018-2020 PE RW CE CN |
| | County | 195 | 5 | 56 | | | | 134 |
| | LPWAF? | 957 | | | | | | 957 |
| | | 1,152 | 5 | 56 | | | | 1,091 |

| | | | | | | | | |
|---------------------|---|-------------------------|------------------|------------|-----------|-------------|------------|--|
| C.17 7399 | Manor Way: 164 St SW to 156 St SW Ped Improvements | TSA N/A | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr BCL | Prepare design report and right-of-way plan for full corridor widening. Make interim shoulder improvements to provide pedestrian improvements. |
| | 2015-2020 | 2015 PE RW CE CF | 2016 | | | 2017 | | 2018-2020 |
| | LIP BOND | <u>470</u> 470 | <u>470</u> | | | <u></u> | | <u></u> |
| C.23 1670 | 39 Ave SE Pedestrian Improvements | TSA N/A | Cncl Dist 5 | Type 12 | LFC 16 | FFC 16 | Mgr MAO | Complete sidewalk gap from 220th St SE to 221st PI SE; apprx. 300'. |
| | 2015-2020 | 2015 PE RW CE CF | 2016 | | | 2017 | | 2018-2020 |
| | LIP BOND | <u>160</u> 160 | <u>160</u> | | | <u></u> | | <u></u> |
| C.24 1671 | 3 Ave SE / 130 St SE Pedestrian Improvements | TSA N/A | Cncl Dist 4 | Type 12 | LFC 17 | FFC 17 | Mgr SG | Install sidewalk at intersection to complete sidewalk gap. |
| | 2015-2020 | 2015 CE CF | 2016 | | | 2017 | | 2018-2020 |
| | LIP BOND | <u>110</u> 110 | <u>110</u> | | | <u></u> | | <u></u> |
| C.28 7400 | Elgin Way Pedestrian Improvements | TSA N/A | Cncl Dist 4 | Type 12 | LFC 17 | FFC 17 | Mgr SG | Install sidewalk on north west side of Elgin Way from SR 96 to 10th Dr SW. |
| | 2015-2020 | 2015 PE CE CN | 2016 | | | 2017 | | 2018-2020 |
| | LIP BOND | <u>149</u> 149 | <u>149</u> | | | <u></u> | | <u></u> |
| C.32 7407 | Center Rd: Alexander Rd to Everett C/L Pedestrian Improvements | TSA N/A | Cncl Dist 2,3 | Type 12 | LFC 19 | FFC 19 | Mgr RXP | Construct curb, gutters, and sidewalks. |
| | 2015-2020 | 2015 CE CF | 2016 | | | 2017 | | 2018-2020 |
| | County | <u>240</u> 240 | <u>240</u> | | | <u></u> | | <u></u> |

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|--|--|-------|------------|------------------|----------------|------------|-------------------|------------|--|--|-------|----|
| C.33 1676 | Centennial Trail South (Eastside Trail) | | TSA N/A | Cncl Dist 5 | Type 06 | LFC N/A | FFC N/A | Mgr RG | Provide non-motorized trail facility within east side rail corridor from Woodinville to Snohomish. | | | |
| | 2015-2020 | | | 2015 PE | 2016 PE | | 2017 CE CN | | 2018-2020 CE CN | | CE CN | |
| | CMAQ | 865 | | 600 | 265 | | 1,500 | | 1,000 | | | |
| | CMAQ? | 2,500 | | | | | | | 4,000 | | | |
| | CONSERV? | 4,000 | | | | | | | 260 | | | |
| | County | 431 | | 36 | 135 | | | | | | | |
| | LIP BOND (Parks) | 264 | | 264 | | | | | | | | |
| | PARKS? | 1,175 | | | | | 225 | | 950 | | | |
| | | 9,235 | | 900 | 400 | | 1,725 | | 6,210 | | | |
| D. Traffic Safety / Intersections | | | | | | | | | | | | |
| | 2015-2020 | | | 2015 | 2016 | | 2017 | | 2018-2020 | | | |
| Group Totals | 46,505 | | | 2,861 | 10,739 | | 8,888 | | 24,017 | | | |
| D.01.01 XD0101 | Project Development / Preliminary Engineering Spot Safety/ Operational Improvements | | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr JHB | Development and preliminary engineering of spot safety/operational projects. | | | |
| | 2015-2020 | | | 2015 PE | 2016 PE | | 2017 PE | | 2018-2020 PE | | PE | PE |
| | County | 300 | | 50 | 50 | | 50 | | 150 | | | |
| | | 300 | | 50 | 50 | | 50 | | 150 | | | |
| D.01.02 7016 | New Plats-Signage/Channelization by Work Order | | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr DV | Provide signing and striping for new plats. | | | |
| | 2015-2020 | | | 2015 CF | 2016 CF | | 2017 CF | | 2018-2020 CF | | CF | CF |
| | PLATS | 390 | | 65 | 65 | | 65 | | 195 | | | |
| | | 390 | | 65 | 65 | | 65 | | 195 | | | |
| D.01.03 7013 | Private Roads-Improvements by Work Order | | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr DV | Provide signing and striping for private roads. | | | |
| | 2015-2020 | | | 2015 CF | 2016 CF | | 2017 CF | | 2018-2020 CF | | CF | CF |
| | County | 42 | | 7 | 7 | | 7 | | 21 | | | |
| | | 42 | | 7 | 7 | | 7 | | 21 | | | |
| D.01.04 7014 | Arterial Roads-Improvements by Work Order | | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr DV | Provide signing and striping for arterial roadways. | | | |
| | 2015-2020 | | | 2015 CF | 2016 CF | | 2017 CF | | 2018-2020 CF | | CF | CF |
| | County | 390 | | 65 | 65 | | 65 | | 195 | | | |
| | | 390 | | 65 | 65 | | 65 | | 195 | | | |

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|--------------------------|---|-------------------------|-------------------------|------------|------------|-------------------------|------------|--|
| D.01.05 7015 | Access Roads-Improvements by Work Order | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr DV | Provide signing and striping for access roads. |
| | 2015-2020 | 2015 CF | 2016 CF | | | 2017 CF | | 2018-2020 CF CF CF |
| | County | 300 | 50 | 50 | | 50 | | 150 |
| | | 300 | 50 | 50 | | 50 | | 150 |
| D.01.06 XD0106 | Safety Project Contingency | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr JHB | Contingency for unanticipated safety projects. |
| | 2015-2020 | 2015 PE RW CE CF | 2016 PE RW CE CF | | | 2017 PE RW CE CF | | 2018-2020 PE RW CE CF PE RW CE CF PE RW CE CF |
| | County | 312 | 52 | 52 | | 52 | | 156 |
| | | 312 | 52 | 52 | | 52 | | 156 |
| D.01.34 1561 | Machias Cutoff and Williams Rd Intersection Improvements | TSA N/A | Cncl Dist 5 | Type 12 | LFC 07 | FFC 16 | Mgr MAO | Install left-turn channelization from Machias Cutoff to Williams Rd and install guardrail on Machias Cutoff east of Williams Rd. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE CE CN CE |
| | County | 1,008 | | | | | | 1,008 |
| | REET II | 325 | | | | | | 325 |
| | | 1,333 | | | | | | 1,333 |
| D.02.01 XD0201 | Project Development / Preliminary Eng Traffic Signal and Intersection Improvements | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr JHB | Project development and/or preliminary traffic engineering for signal and intersection improvements. |
| | 2015-2020 | 2015 PE | 2016 PE | | | 2017 PE | | 2018-2020 PE PE PE |
| | County | 300 | 50 | 50 | | 50 | | 150 |
| | | 300 | 50 | 50 | | 50 | | 150 |
| D.02.03 XD0203 | Larch Way / Locust Way Intersection Improvement | TSA N/A | Cncl Dist 3,4 | Type 12 | LFC 16 | FFC 16 | Mgr EN | Construct full intersection improvements to include traffic signal, turn lanes, bicycle lanes, curbs, gutters and sidewalks. |
| | 2015-2020 | 2015 | 2016 PE | | | 2017 PE RW | | 2018-2020 PE RW CE CN CE CN |
| | County | 2,710 | 54 | | | 190 | | 2,466 |
| | REET II | 25 | | | | 25 | | |
| | | 2,735 | 54 | | | 215 | | 2,466 |
| D.02.21 1039 | Miscellaneous Signal Upgrades - Contract | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr JHB | Contract to upgrade traffic signals/equipment throughout the County. |
| | 2015-2020 | 2015 PE CE CN | 2016 PE CE CN | | | 2017 PE CE CN | | 2018-2020 PE CE CN PE CE CN PE CE CN |
| | County | 216 | 36 | 36 | | 36 | | 108 |
| | | 216 | 36 | 36 | | 36 | | 108 |

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|--------------------------|--|----------------------|----------------------|------------|------------|----------------------|------------|--|
| D.02.41 XD0241 | Menzel Lake Rd and Waite Mill Rd Intersection Improvements | TSA B | Cncl Dist 1 | Type 12 | LFC 07 | FFC 07 | Mgr MAO | Adjust vertical alignment on Menzel Lake Rd at Waite Mill Rd. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE PE RW PE RW CE CN |
| | County 429 | | | | | | | 429 |
| | RAP? 500 | | | | | | | 500 |
| | 929 | | | | | | | 929 |
| D.02.42 XD0242 | Three Lakes Rd and 131 Ave SE Intersection Improvement | TSA B/C | Cncl Dist 5 | Type 12 | LFC 07 | FFC 16 | Mgr MAO | Install signal on Three Lakes Road at 131st Ave SE and improve sight distance. |
| | 2015-2020 | 2015 | 2016 | | | 2017 | | 2018-2020 PE PE RW PE RW CE CN |
| | County 439 | | | | | | | 439 |
| | HSIP? 500 | | | | | | | 500 |
| | 939 | | | | | | | 939 |
| D.02.43 1687 | Arlington Heights Rd and Jordan Rd Intersection Improvement | TSA N/A | Cncl Dist 1 | Type 02 | LFC 07 | FFC 07 | Mgr MAO | Prepare design memo for intersection improvements and realignment. |
| | 2015-2020 | 2015 PE | 2016 | | | 2017 | | 2018-2020 |
| | County 50 | 50 | | | | | | |
| | 50 | 50 | | | | | | |
| D.02.46 1527 | Cathcart Way and Puget Park Dr Int. Improvement | TSA N/A | Cncl Dist 4 | Type 12 | LFC 14 | FFC 14 | Mgr BCL | Install traffic signal. |
| | 2015-2020 | 2015 CE CN | 2016 | | | 2017 | | 2018-2020 |
| | LIP BOND 95 | 95 | | | | | | |
| | 95 | 95 | | | | | | |
| D.03 7020 | Neighborhood Traffic Calming Locations | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr JHB | Install neighborhood traffic calming devices (locations selected annually). |
| | 2015-2020 | 2015 PE CE CF | 2016 PE CE CF | | | 2017 PE CE CF | | 2018-2020 PE CE CF PE CE CF PE CE CF |
| | County 330 | 55 | 55 | | | 55 | | 165 |
| | 330 | 55 | 55 | | | 55 | | 165 |
| D.04 7380 | Guardrail Project Locations | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr RXP | Design and install guardrails (locations selected annually). |
| | 2015-2020 | 2015 PE CE CF | 2016 PE CE CF | | | 2017 PE CE CF | | 2018-2020 PE CE CF PE CE CF PE CE CF |
| | County 965 | 90 | 115 | | | 190 | | 570 |
| | 965 | 90 | 115 | | | 190 | | 570 |

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|-----------------|---|--------|------|------------|------------------|-------------|------------|------------|-----------|--|----------|-------------|----------|
| D.05 XD05 | Emergent Road Bank Stabilization Projects | | | TSA N/A | Cncl Dist All | Type 12 | LFC All | FFC All | Mgr DT | Stabilize road banks (locations selected annually). | | | |
| | 2015-2020 | | 2015 | PE CE CF | 2016 | PE CE CF | | 2017 | PE CE CF | 2018-2020 | PE CE CF | PE CE CF | PE CE CF |
| | County | 750 | 125 | | 125 | | | 125 | | 375 | | | |
| | | 750 | 125 | | 125 | | | 125 | | 375 | | | |
| D.05.11 1681 | Jackson Gulch Slide Repair | | | TSA N/A | Cncl Dist 1 | Type 06 | LFC 08 | FFC 08 | Mgr EN | Slide repair on 236th St NE. | | | |
| | 2015-2020 | | 2015 | PE CE CN | 2016 | | | 2017 | | 2018-2020 | | | |
| | County | 250 | 250 | | | | | | | | | | |
| | | 250 | 250 | | | | | | | | | | |
| D.05.12 1682 | Miller Road Slide Repair | | | TSA N/A | Cncl Dist 1 | Type 06 | LFC 09 | FFC 09 | Mgr EN | Stabilize Miller Rd / Pioneer Hwy embankment with soil nail reinforcement. | | | |
| | 2015-2020 | | 2015 | PE CE CN | 2016 | | | 2017 | | 2018-2020 | | | |
| | County | 150 | 150 | | | | | | | | | | |
| | REET II | 100 | 100 | | | | | | | | | | |
| | | 250 | 250 | | | | | | | | | | |
| D.23.01 1270 | Lockwood Rd/Carter Rd Roundabout | | | TSA F | Cncl Dist 4 | Type 12 | LFC 16 | FFC 17 | Mgr DL | Install roundabout at Carter Road intersection. | | | |
| | 2015-2020 | | 2015 | | 2016 | | | 2017 | PE RW | 2018-2020 | PE RW | PE RW CE CN | CE CN |
| | MIT FUND | 13 | | | | | | | | 13 | | | |
| | TIF F-BOTHELL | 260 | | | | | | | | 260 | | | |
| | TIF-F | 2,609 | | | | | | 50 | | 2,559 | | | |
| | | 2,882 | | | | | | 50 | | 2,832 | | | |
| D.41.02 1532 | Index Galena Flood Repair MP 6.4-6.9 | | | TSA N/A | Cncl Dist 5 | Type 03 | LFC 09 | FFC 07 | Mgr LB | Construct new roadway to replace previously washed out section. | | | |
| | 2015-2020 | | 2015 | PE RW | 2016 | PE RW CE CN | | 2017 | CE CN | 2018-2020 | CE CN | | |
| | County | 147 | 78 | | 69 | | | | | | | | |
| | ER | 13,600 | 312 | | 7,941 | | | 5,347 | | | | | |
| | ER? | 9,653 | | | | | | 2,153 | | 7,500 | | | |
| | | 23,400 | 390 | | 8,010 | | | 7,500 | | 7,500 | | | |

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|--------------------------|--|-----------------------|------------------|---------------------|-----------|-------------------|------------|---|-------|-------|-------------|
| D.41.09 1640 | Waldheim Slide @ MP 20-Mitigation and Paving | TSA N/A | Cncl Dist 1 | Type 06 | LFC 07 | FFC 07 | Mgr SG | Complete mitigation work and paving following road construction and embankment stabilization. | | | |
| | 2015-2020 | 2015 | CE CN | 2016 | | 2017 | | 2018-2020 | | | |
| | ER | <u>400</u> 400 | | <u>400</u> 400 | | <u>400</u> 400 | | <u>400</u> 400 | | | |
| D.42.01 XD4201 | Broadway Ave/164 St SE/Elliott Rd Intersection Improvement | TSA C/E | Cncl Dist 4,5 | Type 12 | LFC 08 | FFC 17 | Mgr EN | Improve alignment of 3 intersecting roadways. | | | |
| | 2015-2020 | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE | PE RW | PE RW CE CN |
| | County | 296 | | | | | | 296 | | | |
| | STP(U)? | 2,500 | | | | | | 2,500 | | | |
| | TIF-C | <u>628</u> 3,424 | | <u>628</u> 3,424 | | <u>110</u> 110 | | <u>518</u> 3,314 | | | |
| D.43 1636 | Springhetti Rd and Broadway Avenue Intersection Improvement | TSA C | Cncl Dist 5 | Type 12 | LFC 08 | FFC 17 | Mgr MAO | Improve intersection by reducing skew angle and provide turn pockets as needed. | | | |
| | 2015-2020 | 2015 | CE | 2016 | | 2017 | | 2018-2020 | | | |
| | TIF-C | <u>10</u> 10 | | <u>10</u> 10 | | <u>10</u> 10 | | <u>10</u> 10 | | | |
| D.45 XD45 | S Machias Rd / Machias Cutoff Intersection Improvement | TSA N/A | Cncl Dist 5 | Type 12 | LFC 07 | FFC 16 | Mgr MAO | Improve intersection including signalization and realignment to the east to incorporate Centennial Trail. | | | |
| | 2015-2020 | 2015 | | 2016 | PE | 2017 | PE RW | 2018-2020 | PE RW | CE CN | CE CN |
| | County | 842 | | 105 | | 268 | | 469 | | | |
| | PWTFL? | <u>2,000</u> 2,842 | | <u>105</u> 105 | | <u>268</u> 268 | | <u>2,000</u> 2,469 | | | |
| D.57 1666 | Voyager Middle School Dynamic Speed Signs | TSA N/A | Cncl Dist 3 | Type 06 | LFC 16 | FFC 16 | Mgr MAO | Install two solar powered dynamic speed signs along 4 Ave W. | | | |
| | 2015-2020 | 2015 | CE | 2016 | | 2017 | | 2018-2020 | | | |
| | LIP BOND | <u>1</u> 1 | | <u>1</u> 1 | | <u>1</u> 1 | | <u>1</u> 1 | | | |

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|---------------------|---|---------------------|-------------------------|----------------------|------------|-------------|------------|------------------|---|
| D.58 1667 | Beverly Park / Gibson Rd Signal Installation | | TSA N/A | Cncl Dist 3 | Type 12 | LFC 16 | FFC 16 | Mgr BCL | Install traffic signal and Accessible Pedestrian System at intersection. Rework curbs and sidewalks to meet ADA standards. |
| | 2015-2020 | | 2015 CE CN | 2016 | | 2017 | | 2018-2020 | |
| | LIP BOND | <u>95</u> 95 | <u>95</u> 95 | <u></u> | | <u></u> | | <u></u> | |
| D.59 1668 | 84 St NE / 115 Ave NE Intersection Improvements | | TSA N/A | Cncl Dist 1 | Type 12 | LFC 07 | FFC 07 | Mgr BCL | Design and aquire RW to install E. bound left turn pocket on 84th St NE at 115th Ave NE. |
| | 2015-2020 | | 2015 PE RW | 2016 PE | | 2017 | | 2018-2020 | |
| | LIP BOND | <u>275</u> 275 | <u>225</u> 225 | <u>50</u> 50 | | <u></u> | | <u></u> | |
| D.60 XD60 | Adaptive Signal System - SR 527, SR 96, 128, Airport Rd Corridor | | TSA N/A | Cncl Dist 3,4 | Type 12 | LFC N/A | FFC N/A | Mgr JHB | Replace signal controls with an adaptive signal control system on SR526 / Airport Rd, 128 St SW, SR 96 to Seattle Hill Rd, and on SR 527 from SR 96 to 228 St SE. |
| | 2015-2020 | | 2015 PE | 2016 PE CE CN | | 2017 | | 2018-2020 | |
| | BOTHELL | 51 | 4 | 47 | | | | | |
| | County | 51 | 4 | 47 | | | | | |
| | EVERETT | 35 | 2 | 33 | | | | | |
| | STP(U) | 1,730 | 130 | 1,600 | | | | | |
| | WSDOT | <u>133</u> 2,000 | <u>10</u> 150 | <u>123</u> 1,850 | | <u></u> | | <u></u> | |
| D.61 1578 | 196 St SE: Yew Way East to End of Rd | | TSA N/A | Cncl Dist 5 | Type 07 | LFC N/A | FFC N/A | Mgr TBA | Design and upgrade Yew Way East to end of road. |
| | 2015-2020 | | 2015 PE CE CN CF | 2016 | | 2017 | | 2018-2020 | |
| | County | <u>300</u> 300 | <u>300</u> 300 | <u></u> | | <u></u> | | <u></u> | |

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|---------------------|--|-----------------|----------------|----------------|------------|----------------|-----------|---------------------|--|
| E. Capacity | | | | | | | | | |
| | 2015-2020 | | 2015 | 2016 | | 2017 | | 2018-2020 | |
| Group Totals | 65,936 | | 8,799 | 4,736 | | 11,412 | | 40,989 | |
| E.05 1184 | Bothell Connector (39 Ave SE): 228 St SE to 240 St SE | | TSA E/F | Cncl Dist 4 | Type 01 | LFC 16 | FFC 16 | Mgr BD | Preliminary engineering support for those portions within the unincorporated area of Snohomish County. |
| | 2015-2020 | | 2015 PE | 2016 PE | | 2017 PE | | 2018-2020 PE | PE |
| | TIF F-BOTHELL | 12 | 2 | 2 | | 2 | | 6 | |
| | TIF-E | <u>18</u> 30 | <u>3</u> 5 | <u>3</u> 5 | | <u>3</u> 5 | | <u>9</u> 15 | |

| | | | | | | | | | | | | |
|---------------------|--|------|--------------|----------------|------------|-----------|-----------|-----------|---|--|-------|--|
| E.28.05 1629 | 35 Ave SE / 39 Ave SE (York Rd): SR 524 to 180 St SE Ph II | | TSA D/E/F | Cncl Dist 4 | Type 04 | LFC 16 | FFC 16 | Mgr DL | Widen corridor to 3 lane urban standards with bike lanes; intersection upgrades per traffic analysis. | | | |
| 2015-2020 | | 2015 | 2016 | | 2017 | | 2018-2020 | | PE | | PE RW | |
| TIF E-YORK JEWELL 6 | | | | | | | | 6 | | | | |
| TIF F-BOTHELL 141 | | | | | | | | 141 | | | | |
| TIF-D 625 | | | | | | | | 625 | | | | |
| TIF-F 385 | | | | | | | | 385 | | | | |
| 1,157 | | | | | | | | 1,157 | | | | |

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|--------------------|--|------|------------|----------------|------------|-----------|-----------|-----------|---|-----------|--|----|----|----|----|----|----|----|
| E.28.06 1628 | 35 Ave SE: 180 St SE to 152 St SE (Seattle Hill Rd), Phase 1 | | TSA D/E | Cncl Dist 4 | Type 04 | LFC 16 | FFC 16 | Mgr SG | Widen corridor to 3 lane urban standards with bike lanes, curb, gutter, sidewalk; intersection upgrades per traffic analysis. | | | | | | | | | |
| 2015-2020 | | 2015 | PE RW | 2016 | | PE | 2017 | | PE | 2018-2020 | | PE | CE | CN | CE | CN | CE | CN |
| REET II 3 | | | | | | | | | | 3 | | | | | | | | |
| STP(U)? 2,500 | | | | | | | | | | 2,500 | | | | | | | | |
| TIB-UAP? 2,000 | | | | | | | | | | 2,000 | | | | | | | | |
| TIF D-MILL CRK 816 | | 316 | | | | | | | | 500 | | | | | | | | |
| TIF-D 2,111 | | 149 | | 150 | | 120 | | | | 1,692 | | | | | | | | |
| TIF-E 487 | | 285 | | 100 | | | | | | 102 | | | | | | | | |
| 7,917 | | 750 | | 250 | | 120 | | | | 6,797 | | | | | | | | |

| | | | | | | | | | | | | | |
|-----------------|---|------|----------|----------------|------------|-----------|-----------|------------|--|--|--|--|--|
| E.31.02 1601 | 52 Ave W (Bev-Ed Rd): Lynnwood C/L to 148 St SW | | TSA D | Cncl Dist 3 | Type 05 | LFC 16 | FFC 16 | Mgr BCL | Widen corridor to 3 lane urban standards and minor intersection improvements at 148th St SW and Beverly Park Edmonds Road. | | | | |
| 2015-2020 | | 2015 | CE | CF | 2016 | | 2017 | | 2018-2020 | | | | |
| TDM/DD 25 | | 25 | | | | | | | | | | | |
| TIF-D 65 | | 65 | | | | | | | | | | | |
| 90 | | 90 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|----------------|-----------------------------------|------|----------|----------------|------------|-----------|-----------|-----------|--|-------|----|----|----|----|--|
| E.36 1315 | Broadway Ave Realignment @ SR 522 | | TSA E | Cncl Dist 5 | Type 02 | LFC 17 | FFC 17 | Mgr DL | Realign Broadway Ave: Yew Way to SR 524 to accommodate future WSDOT interchange on SR 522. | | | | | | |
| 2015-2020 | | 2015 | 2016 | | 2017 | | PE | RW | 2018-2020 | | PE | RW | CE | CN | |
| County 1,478 | | | | | | 360 | | | | 1,118 | | | | | |
| REET II 176 | | | | | | | | | | 176 | | | | | |
| TIB-UAP? 1,550 | | | | | | | | | | 1,550 | | | | | |
| 3,204 | | | | | | 360 | | | | 2,844 | | | | | |

| | | | | | | | | |
|--------------------------|---|-------------------|-------------------|-------------------|------------------------|-----------|-----------|---|
| E.40.01 1491 | 36 Ave W / 35 Ave W: 164 St SW to SR 99 | TSA D | Cncl Dist 3 | Type 05 | LFC 17 | FFC 17 | Mgr DL | Joint project with the City of Lynnwood (lead) to complete design report, 90% PS&E, and ROW plan. |
| | 2015-2020 | 2015 PE RW | 2016 PE RW | 2017 PE RW | 2018-2020 PE RW | PE RW | PE RW | PE RW |
| | TIF-D 60 | 10 | 10 | 10 | 30 | | | |
| | 60 | 10 | 10 | 10 | 30 | | | |
| E.41.02 1530 | 180 St SE: SR527 to Brook Blvd | TSA D | Cncl Dist 4 | Type 04 | LFC 16 | FFC 16 | Mgr DL | Widen to 5 lane urban standards with auxiliary lanes at SR 527. |
| | 2015-2020 | 2015 | 2016 | 2017 | 2018-2020 PE RW | PE RW | CE CN | |
| | County 17 | | | | 17 | | | |
| | TDM/DD 163 | | | | 163 | | | |
| | TIB-UAP? 1,500 | | | | 1,500 | | | |
| | TIF-D 2,143 | | | | 2,143 | | | |
| | 3,823 | | | | 3,823 | | | |
| E.41.05 1562 | 180 St SE: Sunset Rd and 51 Ave SE Intersection Improvements | TSA E | Cncl Dist 5 | Type 12 | LFC 16 | FFC 16 | Mgr DL | Install traffic signals and widen intersections to include additional turn lanes. |
| | 2015-2020 | 2015 | 2016 | 2017 PE | 2018-2020 PE RW | PE | CE CN | |
| | County 448 | | | | 448 | | | |
| | HSIP? 1,500 | | | | 1,500 | | | |
| | TIF-E 709 | | | 221 | 488 | | | |
| | 2,657 | | | 221 | 2,436 | | | |
| E.41.06 XE4106 | 180 St SE Corridor: Brook Blvd to 35 Ave SE | TSA D | Cncl Dist 4 | Type 04 | LFC 16 | FFC 16 | Mgr DL | Widen corridor to 5 lane urban standards. |
| | 2015-2020 | 2015 PE | 2016 PE | 2017 PE | 2018-2020 PE RW | PE RW | PE RW | PE RW |
| | County 334 | | | | 334 | | | |
| | MIT FUND 51 | | | | 51 | | | |
| | TDM/DD 458 | | | | 458 | | | |
| | TIF D-MILL CRK 1,658 | | 309 | | 455 | | | |
| | TIF-D 1,412 | 52 | 60 | 139 | 1,161 | | | |
| | 3,913 | 52 | 369 | 594 | 2,898 | | | |

| | | | | | | | | | |
|--------------------------|--|-------------|------------|------------------|------------|-------------|-----------|------------------|--|
| E.41.08 XE4108 | 180 St SE: SR 9 to Broadway Ave | | TSA E | Cncl Dist 5 | Type 05 | LFC 07 | FFC 16 | Mgr TBA | Widen corridor to 3 lane rural standards. |
| | 2015-2020 | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE PE PE RW |
| | County 805 | | | | | | | 805 | |
| | MIT FUND 108 | | | | | | | 108 | |
| | REET II 146 | | | | | | | 146 | |
| | TDM/EE 113 | | | | | 27 | | 86 | |
| | TIF-E 138 | | | | | 138 | | | |
| | 1,310 | | | | | 165 | | 1,145 | |
| E.45.02 1545 | North Rd: SR 524 to 164 St SW | | TSA D/F | Cncl Dist 4 | Type 04 | LFC 17 | FFC 17 | Mgr MAO | Widen to 3 lane urban standards with bicycle lanes and sidewalks. |
| | 2015-2020 | 2015 | CE CN | 2016 | CE | 2017 | | 2018-2020 | |
| | STP(U) 865 | 865 | | | | | | | |
| | TDM/DD 221 | 179 | | 42 | | | | | |
| | TIF-D 3,723 | 3,723 | | | | | | | |
| | TIF-F 961 | 961 | | | | | | | |
| | 5,770 | 5,728 | | 42 | | | | | |
| E.47.02 1635 | Seattle Hill Rd: 35 Ave SE to 132 St SE | | TSA D | Cncl Dist 4,5 | Type 12 | LFC 16 | FFC 16 | Mgr BCL | Widen corridor to 3 lane urban standards with bike lanes. |
| | 2015-2020 | 2015 | PE RW | 2016 | PE RW | 2017 | PE CE CN | 2018-2020 | CE CN CE CN |
| | County 73 | | | | | | | 73 | |
| | STP(U) 97 | 97 | | | | | | | |
| | STP(U)? 3,500 | | | | | | 1,500 | 2,000 | |
| | TDM/DD 299 | 82 | | | | | | 217 | |
| | TIB-UAP? 4,000 | | | | | | | 4,000 | |
| | TIF D-MILL CRK 1,228 | | | | | | 862 | 366 | |
| | TIF-D 3,338 | 591 | | 279 | | | 2,153 | 315 | |
| | 12,535 | 770 | | 279 | | | 4,515 | 6,971 | |
| E.48 1619 | 88 St NE: 44 Dr NE to 61 Dr NE | | TSA A | Cncl Dist 1 | Type 04 | LFC 16 | FFC 16 | Mgr DM | Joint project with City of Marysville (lead) for improvements to 3 lane urban standards. |
| | 2015-2020 | 2015 | PE RW CN | 2016 | CN | 2017 | CN | 2018-2020 | CN CN CN |
| | County 1,123 | | | | | | 27 | 1,096 | |
| | TIF A-MSVL 107 | 18 | | 17 | | | 18 | 54 | |
| | TIF A-STANWOOD 5 | 5 | | | | | | | |
| | TIF-A 1,402 | 827 | | 183 | | | 155 | 237 | |
| | 2,637 | 850 | | 200 | | | 200 | 1,387 | |

| | | | | | | | | | | |
|--------------------------|---|-------------|----------------|-------------|-----------|-------------|------------|---|-------------|-------|
| E.50.01 1617 | 156 St SE: 35 Ave SE to 55 Ave SE Improvements | TSA D | Cncl Dist 4 | Type 04 | LFC 17 | FFC 17 | Mgr SG | Develop design report and acquire RW for widening corridor from Sunset Road to the elementary school. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE RW | 2017 | PE RW | 2018-2020 | PE RW | |
| | County | 1,700 | | 50 | | 750 | | 750 | | 150 |
| | | 1,700 | | 50 | | 750 | | 750 | | 150 |
| E.51 1679 | 140 ST NE: 23 Ave NE to 34 Ave NE | TSA A | Cncl Dist 1 | Type 04 | LFC 07 | FFC 16 | Mgr BCL | Widen to four lanes with rural standards. | | |
| | 2015-2020 | 2015 | PE RW | 2016 | PE RW | 2017 | PE RW | 2018-2020 | | |
| | County | 239 | | | | 239 | | | | |
| | MIT FUND | 192 | | | | 192 | | | | |
| | TIF A-ARL | 77 | | 31 | 46 | | | | | |
| | TIF-A | 1,260 | | 137 | 954 | 169 | | | | |
| | | 1,768 | | 168 | 1,000 | 600 | | | | |
| E.52.01 1638 | Ash Way: 164 St SW to Gibson Rd | TSA D | Cncl Dist 3 | Type 04 | LFC 17 | FFC 17 | Mgr DL | Prepare design report and acquire RW. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE RW | 2017 | PE RW | 2018-2020 | PE RW | PE RW |
| | County | 1,876 | | | | | | 1,876 | | |
| | STP(U)? | 1,500 | | | | | | 1,500 | | |
| | TIF-D | 3,231 | | 200 | 807 | 1,554 | | 670 | | |
| | | 6,607 | | 200 | 807 | 1,554 | | 4,046 | | |
| E.52.03 XE5203 | E Gibson Rd Intersection Improvements: Ash Way and 128 St SW | TSA D | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr BCL | Major intersection improvement at E. Gibson Road and Ash Way and very minor improvements at E. Gibson Road / 128th St SW. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE RW | 2017 | CE CN | 2018-2020 | CE CN | |
| | County | 803 | | | | | | 803 | | |
| | TIF-D | 2,439 | | 100 | 474 | 1,679 | | 186 | | |
| | | 3,242 | | 100 | 474 | 1,679 | | 989 | | |
| E.52.04 XE5204 | Gibson Rd / Admiralty Way Intersection Improvement | TSA D | Cncl Dist 3 | Type 12 | LFC 17 | FFC 17 | Mgr BCL | Minor intersection improvement at Admiralty Way / Gibson Road. | | |
| | 2015-2020 | 2015 | PE | 2016 | PE RW | 2017 | PE RW | 2018-2020 | PE RW CE CN | CE CN |
| | County | 615 | | | | | | 615 | | |
| | HSIP? | 1,500 | | | | | | 1,500 | | |
| | TIF-D | 856 | | 26 | 350 | 380 | | 100 | | |
| | | 2,971 | | 26 | 350 | 380 | | 2,215 | | |

| | | | | | | | | | | | | |
|--------------|---|-------|----------|----------------|------------|-----------|-----------|------------|---|----|----|-------|
| E.53 XE53 | 148 St SW: 35 Ave W to Jefferson Way | | TSA D | Cncl Dist 3 | Type 05 | LFC 17 | FFC 17 | Mgr TBA | Widen corridor to 3 lane urban standards with bike lanes, curb, gutter, sidewalk. | | | |
| | 2015-2020 | 2015 | | 2016 | PE | | 2017 | PE | 2018-2020 | PE | PE | PE RW |
| | County | 1,255 | | | | | | | 1,255 | | | |
| | TDM/DD | 92 | | | | | | | 92 | | | |
| | TIF-D | 699 | | 200 | | | 259 | | 240 | | | |
| | | 2,046 | | 200 | | | 259 | | 1,587 | | | |
| E.54 XE54 | Poplar Way: Lynnwood City Limits to Larch Way | | TSA F | Cncl Dist 3 | Type 05 | LFC 17 | FFC 17 | Mgr TBA | Widen to three lane urban standards. | | | |
| | 2015-2020 | 2015 | | 2016 | | | 2017 | | 2018-2020 | PE | PE | |
| | TIF-F | 694 | | | | | | | 694 | | | |
| | | 694 | | | | | | | 694 | | | |
| E.55 XE55 | 39 Ave SE: 228 St SE to 207 St SE | | TSA F | Cncl Dist 4 | Type 05 | LFC 16 | FFC 16 | Mgr TBA | Widen to three lane urban standards. | | | |
| | 2015-2020 | 2015 | | 2016 | | | 2017 | | 2018-2020 | PE | PE | |
| | TIF-F | 1,005 | | | | | | | 1,005 | | | |
| | | 1,005 | | | | | | | 1,005 | | | |
| E.56 XE56 | 67 Ave NE / 152 St NE & 132 St NE Intersection Improvements | | TSA A | Cncl Dist 1 | Type 12 | LFC 07 | FFC 16 | Mgr TBA | Prepare design report. | | | |
| | 2015-2020 | 2015 | | 2016 | | | 2017 | | 2018-2020 | PE | PE | |
| | County | 400 | | | | | | | 400 | | | |
| | | 400 | | | | | | | 400 | | | |
| E.57 XE57 | 116 St SE / 35 Ave SE Intersection Improvements | | TSA D | Cncl Dist 5 | Type 12 | LFC 16 | FFC 16 | Mgr TBA | Prepare design memo for minor intersection improvements. | | | |
| | 2015-2020 | 2015 | | 2016 | | | 2017 | | 2018-2020 | PE | PE | |
| | TIF D-MILL CRK | 83 | | | | | | | 83 | | | |
| | TIF-D | 317 | | | | | | | 317 | | | |
| | | 400 | | | | | | | 400 | | | |

F. Bridge Replacement and Rehabilitation

| Group Totals | | 2015-2020 25,445 | 2015 2,195 | 2016 9,583 | 2017 4,292 | 2018-2020 9,375 | | | | |
|-----------------|---|---------------------|---------------|------------------|---------------|--------------------|------------|------------|---|----------|
| F.01 XF01 | Miscellaneous Bridge Projects | | TSA N/A | Cncl Dist All | Type 11 | LFC All | FFC All | Mgr DA | Miscellaneous bridge projects. | |
| | 2015-2020 | 2015 | PE | 2016 | PE | 2017 | PE | 2018-2020 | PE | PE |
| | County | 1,200 | 200 | 200 | 200 | 200 | 600 | | | |
| | | 1,200 | 200 | 200 | 200 | 200 | 600 | | | |
| F.01.04 1302 | Bridge Load Rating | | TSA N/A | Cncl Dist All | Type 14 | LFC All | FFC All | Mgr DA | Bridge load rating and analysis. | |
| | 2015-2020 | 2015 | PE | 2016 | PE | 2017 | PE | 2018-2020 | PE | PE |
| | County | 300 | 50 | 50 | 50 | 50 | 150 | | | |
| | | 300 | 50 | 50 | 50 | 50 | 150 | | | |
| F.01.15 1541 | Bridge Scoping | | TSA N/A | Cncl Dist All | Type 14 | LFC All | FFC All | Mgr DA | Bridge scoping. | |
| | 2015-2020 | 2015 | PE | 2016 | PE | 2017 | PE | 2018-2020 | PE | PE |
| | County | 240 | 40 | 40 | 40 | 40 | 120 | | | |
| | | 240 | 40 | 40 | 40 | 40 | 120 | | | |
| F.37 XF37 | Hyland Road Bridge #271 (28 St NE) Replacement | | TSA N/A | Cncl Dist 5 | Type 10 | LFC 09 | FFC 19 | Mgr TBA | Replace structurally deficient short-span bridge. | |
| | 2015-2020 | 2015 | | 2016 | | 2017 | | 2018-2020 | PE | PE RW |
| | County | 244 | | | | | 244 | | | |
| | | 244 | | | | | 244 | | | |
| F.38 XF38 | Richardson Creek Bridge #300 (Woods Crk Rd) Replacement | | TSA N/A | Cncl Dist 5 | Type 10 | LFC 07 | FFC 16 | Mgr TBA | Replace structurally deficient short-span bridge. | |
| | 2015-2020 | 2015 | | 2016 | | 2017 | PE | 2018-2020 | PE RW | PE CE CN |
| | RAP? | 2,108 | | | | 112 | | 1,996 | | |
| | | 2,108 | | | | 112 | | 1,996 | | |

| | | | | | | | | | | |
|---------------------|---|----------------------|-----|-------------------------|----------------|-------------------|-----------|---------------------|-----------|--|
| F.39 1622 | Granite Falls Bridge #102 (Mtn Loop Hwy) Replacement | | | TSA N/A | Cncl Dist 1 | Type 09 | LFC 07 | FFC 16 | Mgr JW | Design and acquire RW for Granite Falls Bridge #102 replacement. |
| 2015-2020 | | 2015 PE RW | | 2016 PE | | 2017 PE | | 2018-2020 | | |
| County | | 2,100 | 850 | 1,000 | | 250 | | | | |
| | | 2,100 | 850 | 1,000 | | 250 | | | | |
| F.40 1630 | Pilchuck River Bridge #581 (64 St NE) Replacement | | | TSA N/A | Cncl Dist 5 | Type 09 | LFC 09 | FFC 09 | Mgr JW | Replace structurally deficient bridge. |
| 2015-2020 | | 2015 PE RW | | 2016 PE CE CN CF | | 2017 | | 2018-2020 | | |
| BROS | | 3,245 | 148 | 3,097 | | | | | | |
| BROS? | | 129 | | 129 | | | | | | |
| County | | 859 | 37 | 822 | | | | | | |
| | | 4,233 | 185 | 4,048 | | | | | | |
| F.41 1631 | Howard Creek Bridge #496 (Index-Galena Rd) Replacement | | | TSA N/A | Cncl Dist 5 | Type 09 | LFC 09 | FFC 07 | Mgr LB | Replace structurally deficient bridge. |
| 2015-2020 | | 2015 PE RW | | 2016 PE CE CN CF | | 2017 CE CN | | 2018-2020 | | |
| BROS | | 1,758 | 140 | 873 | | 745 | | | | |
| BROS? | | 25 | | | | 25 | | | | |
| County | | 91 | 35 | | | 56 | | | | |
| RAP | | 373 | | 219 | | 154 | | | | |
| | | 2,247 | 175 | 1,092 | | 980 | | | | |
| F.43 1633 | Swamp Creek Br #504 (Locust Way) Replacement | | | TSA N/A | Cncl Dist 4 | Type 09 | LFC 16 | FFC 16 | Mgr LB | Replace structurally deficient bridge. |
| 2015-2020 | | 2015 PE RW CE | | 2016 CE CN | | 2017 CE | | 2018-2020 | | |
| BROS | | 1,287 | 96 | 1,191 | | | | | | |
| BROS? | | 493 | | 489 | | 4 | | | | |
| County | | 445 | 24 | 420 | | 1 | | | | |
| | | 2,225 | 120 | 2,100 | | 5 | | | | |
| F.44 1656 | Trout Creek Bridge #603 (Mtn View Dr) Replacement | | | TSA N/A | Cncl Dist 1 | Type 09 | LFC 09 | FFC 09 | Mgr JW | Replace structurally deficient short span bridge. |
| 2015-2020 | | 2015 PE | | 2016 PE | | 2017 PE | | 2018-2020 PE | | CE CN CF |
| County | | 201 | 50 | 50 | | 50 | | 51 | | |
| RAP? | | 1,005 | | | | | | 1,005 | | |
| | | 1,206 | 50 | 50 | | 50 | | 1,056 | | |

| | | | | | | | | | | | | |
|---------------------|---|-------|-------------|------------|----------------|-------------|-------------|-----------|-------------|---|--|---------------------------------|
| F.45 XF45 | Riley Slough Bridge #155 (Tualco Rd) Replacement | | | TSA N/A | Cncl Dist 5 | Type 09 | LFC 09 | FFC 09 | Mgr JW | Replace structurally deficient bridge. | | |
| | 2015-2020 | | 2015 | PE | | 2016 | PE RW | | 2017 | PE RW | | 2018-2020 PE CE CN CE CN |
| | BROS? | 2,620 | | 108 | | 224 | | 252 | | 2,036 | | |
| | County | 655 | | 27 | | 56 | | 63 | | 509 | | |
| | | 3,275 | | 135 | | 280 | | 315 | | 2,545 | | |
| F.46 1661 | May Creek Bridge #559 (May Crk Rd) Replacement | | | TSA N/A | Cncl Dist 5 | Type 09 | LFC 09 | FFC 09 | Mgr JW | Replace structurally deficient bridge. | | |
| | 2015-2020 | | 2015 | PE RW | | 2016 | PE RW CE CN | | 2017 | CE CN CF | | 2018-2020 |
| | BROS | 1,811 | | 216 | | 392 | | 1,203 | | | | |
| | County | 453 | | 54 | | 98 | | 301 | | | | |
| | | 2,264 | | 270 | | 490 | | 1,504 | | | | |
| F.49 XF49 | Giles Road Bridge #604 (Giles Rd) Replacement (Short Span) | | | TSA N/A | Cncl Dist 1 | Type 09 | LFC 09 | FFC 09 | Mgr TBA | Replace structurally deficient short span bridge. | | |
| | 2015-2020 | | 2015 | | | 2016 | | | 2017 | | | 2018-2020 PE PE |
| | PWTFL? | 160 | | | | | | | | 160 | | |
| | | 160 | | | | | | | | 160 | | |
| F.50 1684 | Trout Creek Bridge #494 (Index-Galena Rd) Replacement | | | TSA N/A | Cncl Dist 5 | Type 09 | LFC 09 | FFC 07 | Mgr JW | Replace structurally deficient bridge. | | |
| | 2015-2020 | | 2015 | | | 2016 | | | 2017 | | | 2018-2020 PE PE RW |
| | County | 110 | | | | | | | | 110 | | |
| | | 110 | | | | | | | | 110 | | |
| F.51 XF51 | Red Bridge #537 (Mtn Loop Hwy) Preventative Maintenance | | | TSA N/A | Cncl Dist 1 | Type 11 | LFC 07 | FFC 07 | Mgr JW | Replace failing paint system and install bridge pier countermeasures. | | |
| | 2015-2020 | | 2015 | PE | | 2016 | PE RW CE | | 2017 | PE RW CE CN | | 2018-2020 CE CN |
| | BROS? | 1,426 | | 96 | | 166 | | 609 | | 555 | | |
| | County | 357 | | 24 | | 42 | | 152 | | 139 | | |
| | | 1,783 | | 120 | | 208 | | 761 | | 694 | | |

| | | | | | | | | | | | | | |
|---|--|-------------|----------|------------|------------------|-------------|------------|-------------|-------------|---|------------------|----------|----------|
| F.52 XF52 | Deer Crk Bridge #670 (Mtn Loop Hwy) Replacement | | | TSA N/A | Cncl Dist 1 | Type 09 | LFC 07 | FFC 07 | Mgr JW | Replace structurally deficient bridge. | | | |
| | 2015-2020 | 2015 | | | 2016 | PE | | 2017 | PE | | 2018-2020 | PE | CE CN |
| | BROS? | 1,360 | | | | | | | | | 1,360 | | |
| | County | 390 | | | 25 | | | 25 | | | 340 | | |
| | | 1,750 | | | 25 | | | 25 | | | 1,700 | | |
| G. Drainage | | | | | | | | | | | | | |
| | 2015-2020 | 2015 | | | 2016 | | | 2017 | | | 2018-2020 | | |
| Group Totals | 14,910 | 2,990 | | | 2,910 | | | 2,175 | | | 6,835 | | |
| G.01 XG01 | Misc Road Drainage Improvements (Inside WMA) | | | TSA N/A | Cncl Dist All | Type 03 | LFC All | FFC All | Mgr JSB | Improve drainage infrastructure on County road system inside WMAs (locations selected annually). | | | |
| | 2015-2020 | 2015 | CF | | 2016 | CF | | 2017 | CF | | 2018-2020 | CF | CF |
| | SWM | 7,200 | | | 1,200 | | | 1,200 | | | 3,600 | | |
| | | 7,200 | | | 1,200 | | | 1,200 | | | 3,600 | | |
| G.02 1111 | Misc. Drainage Improvements (Outside WMA) | | | TSA N/A | Cncl Dist All | Type 03 | LFC All | FFC All | Mgr JSB | Improve drainage infrastructure on County road system outside WMAs (locations selected annually). | | | |
| | 2015-2020 | 2015 | PE CE CF | | 2016 | PE CE CN CF | | 2017 | PE RW CE CF | | 2018-2020 | PE CE CF | PE CE CF |
| | County | 3,110 | | | 880 | | | 340 | | | 1,365 | | |
| | | 3,110 | | | 880 | | | 340 | | | 1,365 | | |
| G.05 XG05 | Fish Blockage Projects | | | TSA N/A | Cncl Dist All | Type 06 | LFC All | FFC All | Mgr KK | Upgrade culverts to meet fish passage standards (at approximately one to two projects per year). | | | |
| | 2015-2020 | 2015 | PE CE CN | | 2016 | PE CE CN | | 2017 | PE CE CN | | 2018-2020 | PE CE CN | PE CE CN |
| | County | 4,600 | | | 830 | | | 635 | | | 1,870 | | |
| | | 4,600 | | | 830 | | | 635 | | | 1,870 | | |
| J. Brightwater Mitigation Projects | | | | | | | | | | | | | |
| | 2015-2020 | 2015 | | | 2016 | | | 2017 | | | 2018-2020 | | |
| Group Totals | 4,145 | 3,900 | | | 120 | | | 125 | | | | | |

| | | | | | | | | | | |
|-----------------|--|-------|------------|----------------|------------|------------|------------|-----------|--|-----------|
| J.01.07 1546 | N Creek Trail: Bothell to Mill Creek (N Creek Park/Filbert Rd) | | TSA N/A | Cncl Dist 5 | Type 32 | LFC N/A | FFC N/A | Mgr DL | Complete design and acquire easements or ROW for North Creek Trail between Filbert Road (SR 524) and North Creek Park. | |
| | 2015-2020 | | 2015 | PE | RW | 2016 | PE | 2017 | PE | 2018-2020 |
| | BH2O | 600 | | | 600 | | | | | |
| | CMAQ | 38 | | | 38 | | | | | |
| | County | 125 | | | | | | 125 | | |
| | LIP BOND | 431 | | | 322 | 109 | | | | |
| | LIP BOND (Parks) | 251 | | | 240 | 11 | | | | |
| | | 1,445 | | | 1,200 | 120 | | 125 | | |

| | | | | | | | | | | |
|-----------------|--|-------|------------|----------------|------------|-----------|-----------|-----------|--|--|
| J.01.08 1627 | Broadway Ave Shoulder Improvements: Yew Way to 164 St SE | | TSA N/A | Cncl Dist 5 | Type 05 | LFC 08 | FFC 17 | Mgr DL | Construct a pedestrian accessible shoulder on one side of Broadway Avenue. | |
| | 2015-2020 | | 2015 | PE | CE | CN | 2016 | 2017 | 2018-2020 | |
| | BH2O | 2,700 | | | 2,700 | | | | | |
| | | 2,700 | | | 2,700 | | | | | |

Grand Totals for Snohomish County Transportation Improvement Program

| | | | | | |
|--------------|------------------|-------------|-------------|-------------|------------------|
| | 2015-2020 | 2015 | 2016 | 2017 | 2018-2020 |
| Total | 214,796 | 31,219 | 35,607 | 36,328 | 111,642 |

Grand Totals by Type of Funding

| | | | | | |
|--------------|------------------|-------------|-------------|-------------|------------------|
| | 2015-2020 | 2015 | 2016 | 2017 | 2018-2020 |
| COUNTY | 94,117 | 18,615 | 13,732 | 12,428 | 49,342 |
| MITIGATION | 37,989 | 7,829 | 4,166 | 8,746 | 17,248 |
| OTHER | 82,690 | 4,775 | 17,709 | 15,154 | 45,052 |
| Total | 214,796 | 31,219 | 35,607 | 36,328 | 111,642 |



2013 Annual Bridge Report



Prepared by the Snohomish County Public Works
Engineering Services Bridge Group
Submitted June 2014

Cover Photos

Swamp Creek Bridge 546, built in 2013,
is located on Carter Road.

Blue Bridge 538, built in 1954, is located on the
Mt. Loop Hwy over the S. Fork Stillaguamish River.
This bridge had Pier 2 rehabilitated during 2013.

Little Pilchuck Creek Bridge 453, re-decked in 2013,
is located on 83rd Street NE (Getchell Road).

Credits

Darrell Ash, P.E., S.E., County Bridge Engineer

Paul Heitman, Engineer

Mike Zitkovich, Engineer

Bob Raynor, Engineering Technician

Deb Harvey, Graphic Designer

Title VI and Americans with Disabilities Act (ADA) Information:

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Información sobre el Título VI y sobre la Ley de Americanos con Discapacidades (ADA por sus siglas en inglés): Es la política del Condado de Snohomish asegurar que ninguna persona sea excluida de participar, se le nieguen beneficios o se le discrimine de alguna otra manera en cualquier programa o actividad patrocinada por el Condado de Snohomish en razón de raza, color, país de origen o género, conforme al Título VI de la Enmienda a la Ley de Derechos Civiles de 1964. Comuníquese con el Department Title VI Coordinator (Coordinador del Título VI del Departamento) al correo electrónico spw-titlevi@snoco.org, o al teléfono 425-388-6660 si tiene preguntas referentes al Snohomish County Public Works' Title VI Program (Programa del Título VI de Obras Públicas del Condado de Snohomish), o para servicios de interpretación o traducción para los no angloparlantes, o para pedir que los materiales se hagan disponibles en un formato alternativo. Los que tienen necesidades comunicativas especiales pueden llamar al 711.



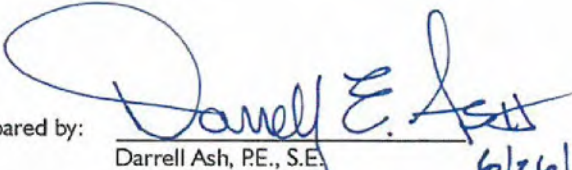
2013 Bridge Report

Submitted: June 2014

This bridge report is prepared by Snohomish County Public Works Engineering Services Bridge Group each year to fulfill requirements of the Washington Administrative Code (WAC) 136-20-060. This WAC requires the County Engineer's report of bridge inspections as follows:

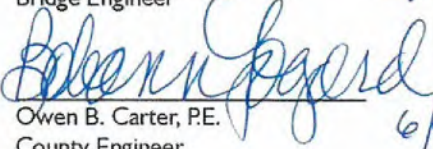
"Each county engineer shall furnish the county legislative authority with a written resume of the findings of the bridge inspection effort. This resume shall be made available to said authority and shall be consulted during the preparation of the proposed six-year transportation program revision. The resume shall include the county engineer's recommendations as to replacement, repair or load restriction for each deficient bridge. The resolution of adoption of the six year transportation program shall include assurances to the effect that the county engineer's report with respect to deficient bridges was available to said authority during the preparation of the program."

Prepared by:


Darrell Ash, P.E., S.E.
Bridge Engineer

6/26/14

Approved by:


for Owen B. Carter, P.E.
County Engineer

6/26/14



Little Pilchuck Creek Bridge 453, before deck replacement.



Little Pilchuck Creek Bridge 453 deck replacement, under construction.

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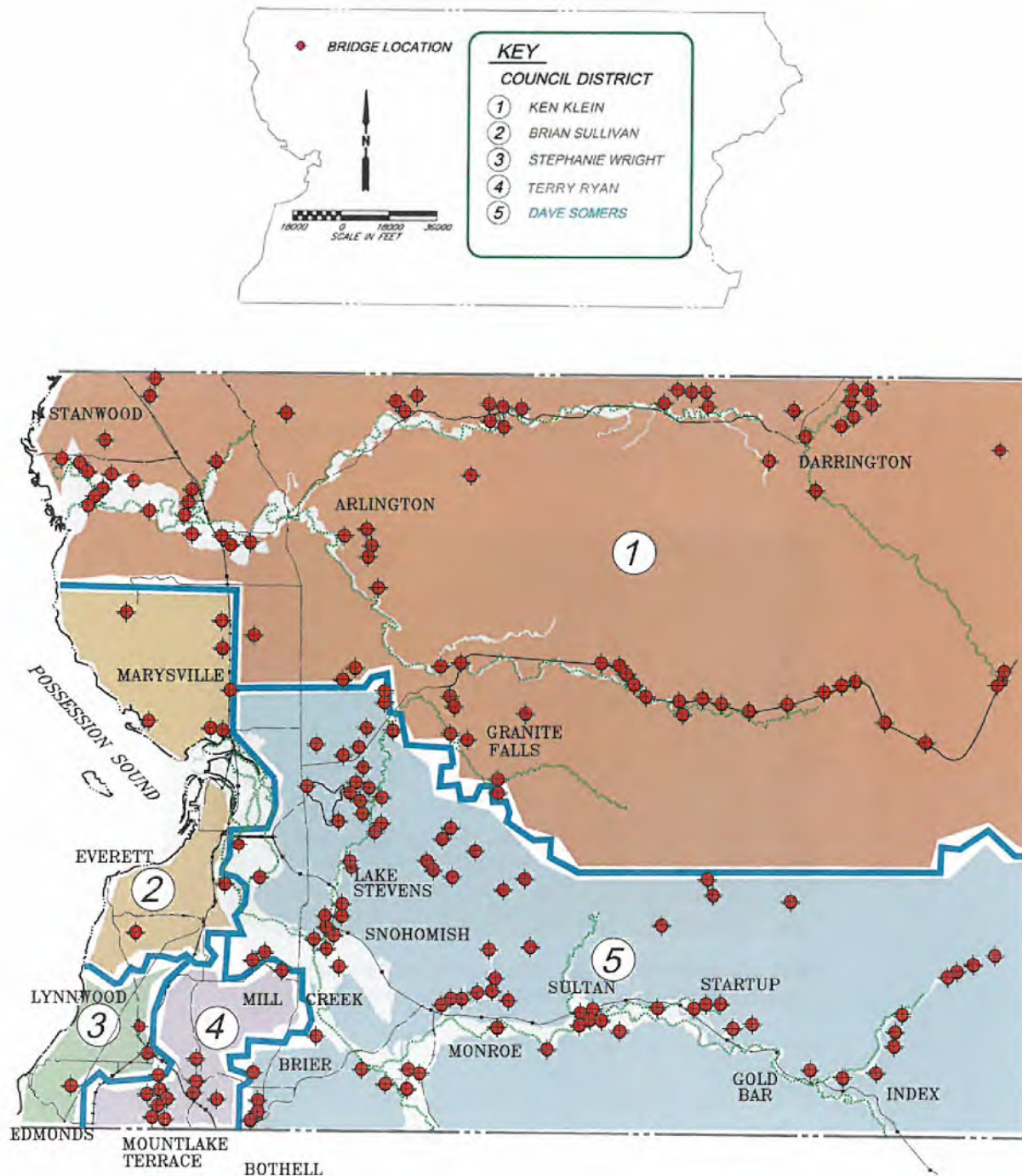
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Acronyms

The following is a list of common acronyms widely used in the bridge inspection field:

| | |
|-------|---|
| ADT | Average Daily Traffic |
| BRAC | Bridge Replacement Advisory Committee |
| FHWA | Federal Highway Administration |
| FO | Functionally Obsolete |
| HBRRP | Highway Bridge Replacement and Rehabilitation Program |
| NBIS | National Bridge Inspection Standards |
| SD | Structurally Deficient |
| SID | Structure Identification Number |
| SR | Sufficiency Rating |
| UBIT | Under Bridge Inspection Truck |
| WAC | Washington Administrative Code |
| WSDOT | Washington State Department of Transportation |

Council districts and bridge location map





Pilchuck River Bridge 581 collects driftwood during every high water event. This bridge is funded for replacement.



Howard Creek Bridge 496, has been approved for replacement funding due to extensive deterioration of the large diameter log stringers.

Executive summary

This report has been completed in compliance with WAC 136-20-060, which requires that each County Road Engineer furnish a written resume of the county's bridge inspection efforts to the county legislative authority. It is also the intention of this report that information presented here be incorporated into a comprehensive program strategy to preserve the county's roadways.

- We began 2013 with 15 structurally deficient (SD) bridges. No more bridges were added to the SD inventory by the end of the 2013 inspection season. One SD bridge, Swamp Creek Bridge 546, was replaced, leaving a total of 14 SD bridges. The county ended the 2013 inspection season with 14 SD bridges.

Highlights and changes in 2013

- Snohomish County bridge count has increased in 2013 by one total bridge for a total of 200 bridges.
- A total of 98 Snohomish County bridge condition inspections were completed in 2013.
- Snohomish County provided bridge inspection services for 22 city-owned bridges in 2013.
- A total of 24 bridge repair work orders were also completed by Snohomish County crews and others.

Summary of bridge inventory

- As of the end of 2013, the unincorporated Snohomish County road system contains 200 bridges and culverts which provide continuity between 1,565 miles of roads. Of these 200 bridges, 14 are classified as SD; 7 are scheduled for replacement or rehabilitation within the next six years, and 7 have been posted with load restrictions.
- A list of all structurally deficient bridges recommended for future replacement or rehabilitation, including short-span bridges, is shown in Exhibit C.



*Federal funding has been approved to replace May Creek Bridge 559.
This bridge is single lane and is classified as "Scour Critical."*

Bridge inventory

Bridge inventory

In Snohomish County, of 200 bridges, 42 are of timber construction, 103 are of concrete construction, and 21 are predominately of steel construction (9 of which are fracture-critical), 30 are a combination of wood, concrete and steel construction and 4 are culverts of either steel or concrete.

| | |
|------------|---------------|
| 4 | culverts |
| 21 | steel |
| 30 | combination |
| 42 | timber |
| <u>103</u> | concrete |
| 200 | total bridges |

Overall, 73 of our 200 bridges are at least partially timber. This is a significant improvement from 1976, when nearly 90% of our bridge spans were timber.

See Appendix A for a complete list of Snohomish County bridges.

Short span bridges

The Highway Bridge Replacement and Rehabilitation Program (HBRRP) excludes short span bridges (span length of 20 feet or less) from receiving federal funding. Out of the 200 bridges in Snohomish County's inventory, 31 of these bridges are classified as short span bridges. Seattle University students were commissioned to do a type, size and location study for the short span Trout Creek Bridge 603).



A team of four Seattle University students prepared a type, size and location study for the eventual replacement of Trout Creek Bridge 603.



City of Everett's Broadway Bridge over BNSF Railroad.

Other local agency bridges

The Snohomish County Engineering Services Division provides inspection services to cities upon request. The county works with cities under inter-local agreements (ILA), with conditions set forth in the Revised Code of Washington (RCW) Chapter 39.34. The county's services are provided primarily to cities that lack resources and expertise to inspect and maintain their bridge inventory. In addition, the Snohomish County Public Works Road Maintenance Division contracts with local agencies for the maintenance of city bridges. In 2012 the county provided inspection services on 31 bridges for local agencies.

Snohomish County provides inspection services with an interlocal agreement. City bridges served by Snohomish County include:

| # of Bridges | City |
|--------------|--------------|
| 3 | Arlington |
| 13 | Bothell |
| 21 | Everett |
| 1 | Gold Bar |
| 8 | Lake Stevens |

| # of Bridges | City |
|--------------|------------|
| 4 | Marysville |
| 1 | Monroe |
| 1 | Mukilteo |
| 2 | Stanwood |
| 1 | Woodway |

Bridge inspection, findings and recommendations

Bridge inspection is performed in accordance with the National Bridge Inspection Standards (NBIS) in conformance with 23 CFR 650.3. The standards mandate that all public agencies with a bridge inventory inspect and report the findings at a minimum of once every two years (routine inspection). Special inspections are required for bridges that cannot be given close or adequate inspection from the ground. For these bridges an Under-Bridge Inspection Truck (UBIT) is required. Steel bridges with fracture critical members may also require special inspections with special inspection equipment. A third category of special inspections are the Under Water Inspections which are required every five years for bridges with piers that extend below ordinary low-water levels (see Exhibit A).

The inspector uses these standards to document the current condition of each bridge element listed. The deficiencies are coded to NBIS standards and show the degree of deterioration in various elements—the three primary elements being:

- deck,
- superstructure, and
- substructure.

As deterioration accelerates, the coding values drop and work orders for repairs are issued. In the case where the coding factors are extremely low, recommendations are made for repair, replacement or rehabilitation. Bridges with identified deficiencies may be inspected or monitored at more frequent intervals.

The results of our inspection program are forwarded to the Washington State Department of Transportation (WSDOT) for review. Once the report has been accepted by WSDOT it is available for the Federal Highway Administration (FHWA). A copy of all final inspection reports are kept on file with Snohomish County Public Works.

Snohomish County's bridges which contain aging timber components are rapidly deteriorating, as indicated by the number of bridges that are structurally deficient (SD) in the county's inventory.



Riley Slough Bridge 155, built in 1930, has been submitted for federal replacement funds.

The NBIS also has other factors which contribute to developing the overall rating of a bridge. Sufficiency Rating (SR) is a calculated score based on numbers assigned to all factors reviewed by the inspector. The SR is a number from 0 to 100, with 100 being an entirely sufficient bridge, and 0 being an entirely insufficient or deficient bridge. Items that go into the determination of the SR include: load bearing capacity, average daily traffic, availability and length of detour, the geometry of the bridge and the risk of scour on bridge foundations at waterway crossings.

As of December 31, 2013 Snohomish County has 102 bridges with a SR less than 80 that are eligible to compete for federal rehabilitation funding. There are 16 bridges with a SR less than 40 that are eligible to compete for federal replacement funding. Of the 16 bridges with a SR rating of 40 or less; 7 have been funded for replacement.

This year routine inspections were performed on 120 bridges, including 22 city bridges.

If the underside of the bridge deck cannot be given close or adequate inspection from the ground then a special inspection using an under-bridge inspection truck (UBIT) is required.

See our master list of special inspections (Exhibit A) for details on inspection frequencies and schedules for all of our UBIT and underwater bridge inspections, as well as special inspections done on suspended spans.



Chappell Bridge 87, built in 1966, with UBIT inspection.

Snohomish County bridge sufficient rating - 2013

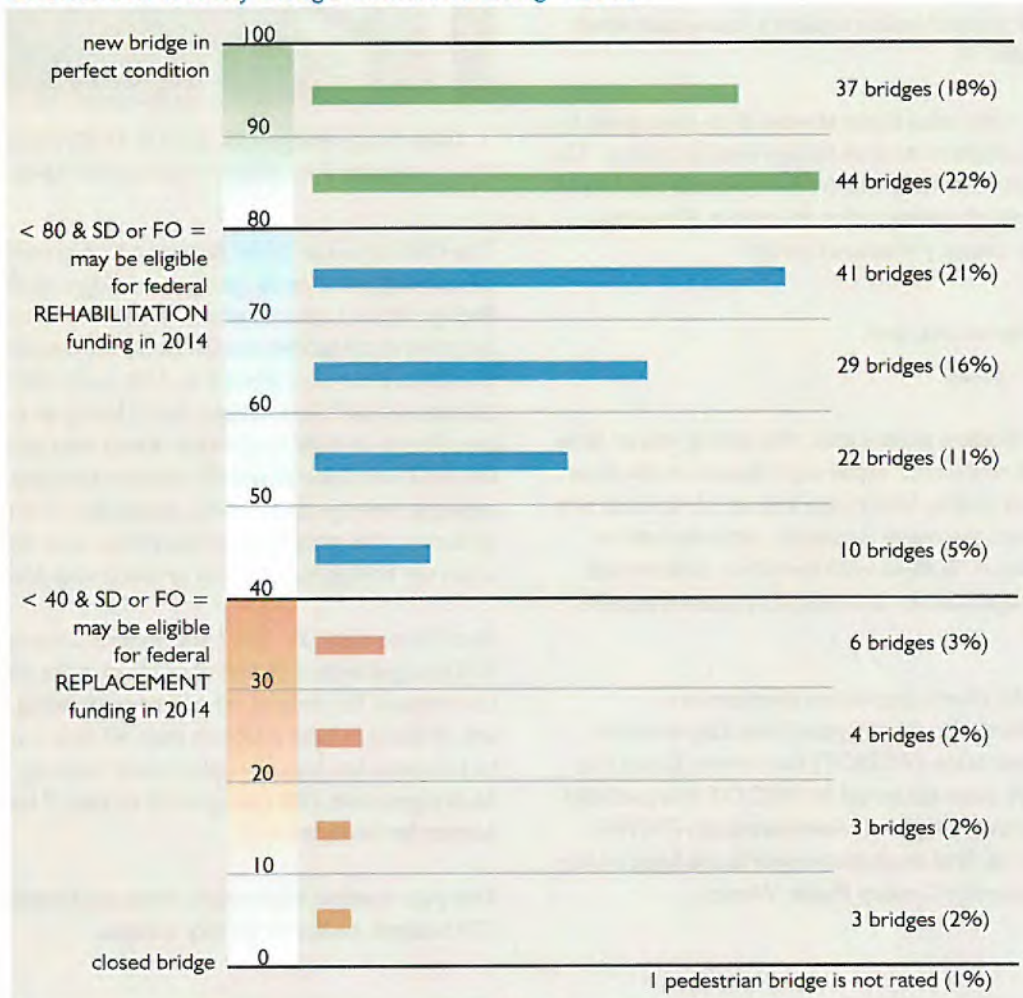


Exhibit A

Snohomish County special bridge inspections

| Structure ID # | Bridge number | Bridge name | 2014 UBIT | 2016 UBIT | 2018 UBIT | Special Inspection |
|----------------|---------------|-----------------------------|-----------|-----------|-----------|--------------------|
| 8156500 | 1 | Snohomish River fc | 26-Apr | 26-Apr | 26-Apr | 2014 uw |
| 8595700 | 15 | Dubuque | | | 15-May | |
| 8278800 | 44 | Machias-OK fc | 3-Jun | 3-Jun | 3-Jun | |
| 8407500 | 67 | Pilchuck River | 10-May | 10-May | 10-May | |
| 8140000 | 87 | Chappell | | 16-Apr | | |
| 8037500 | 94 | Sultan | 5-May | 5-May | 5-May | |
| 7989200 | 101 | Larson | 21-Jun | 21-Jun | 21-Jun | 2016 ut |
| 8062500 | 102 | Granite Falls fc | 1-Jun | 1-Jun | 1-Jun | |
| 8642200 | 122 | Wes Smith Bridge fc | 2-Jun | 2-Jun | 2-Jun | 2014 ut |
| 8611300 | 200 | South Lake Stevens | | | 26-May | |
| 8383500 | 214 | Jordan | 7-Jul | 7-Jul | 7-Jul | |
| 8231100 | 304 | 6th Street fc | 8-Jun | 8-Jun | 8-Jun | |
| 8153300 | 414 | Sauk River fc | 24-Jun | 24-Jun | 24-Jun | |
| 8300400 | 416 | Crescent | 5-May | 5-May | 5-May | |
| 8457400 | 430 | Norman Slough | 5-Oct | 5-Oct | 5-Oct | |
| 8002600 | 433 | Fisher Creek | 6-Oct | 6-Oct | 6-Oct | |
| 8291500 | 537 | Red Bridge fc | 21-Jul | 21-Jul | 21-Jul | 2013 uw |
| 8194600 | 538 | S.F. Stillaguamish River fc | 20-Jul | 20-Jul | 20-Jul | |
| 8418300 | 626 | Pilchuck Creek | 26-Jun | 26-Jul | 26-Jul | 2016 ut |
| 8233400 | 633 | Pilchuck River | | 4-Jun | | |
| 8652100 | 655 | Sauk River | | | 17-May | |
| 8703000 | 656 | Dutch Creek | | | 17-May | |
| 8804200 | 660 | Monte Cristo fc | 9-Jun | 9-Jun | 9-Jun | |
| 8003500 | 3 | Ebey Slough | 1-May | | | 2016 uw |
| 8640400 | 10 | Pilchuck River | 3-Jun | | | |
| 8622300 | 41 | High Bridge | 2-Jun | | | |
| 8051100 | 48 | Jackson Gulch | 12-May | | 12-May | |
| 8243400 | 56 | Silverton | 12-May | | 13-May | |
| 8099800 | 58 | Madden | 10-May | | 10-May | |
| 8576600 | 89 | Oso Bridge | 24-Jun | | | |

Legend:

(chart continues on next page)

uw=underwater inspection (4 total bridges) | ut=ultrasonic testing (3 bridges) | fc=fracture critical inspection (9 bridges)

Snohomish County special bridge inspections (cont.)

| Structure ID # | Bridge number | Bridge name | 2014 UBIT | 2016 UBIT | 2018 UBIT | Special Inspection |
|----------------|---------------|-------------------------|-----------|-----------|-----------|--------------------|
| 8103800 | 111 | Halterman Spur | 24-Jun | | | |
| 8432300 | 115 | Peterson | 24-Aug | | | |
| 8037200 | 151 | Shinglebolt Slough | 12-May | | 12-May | |
| 8628500 | 204 | Robe-Menzel | 4-Jun | | | |
| 8628400 | 206 | Robe-Menzel | 4-Jun | | | |
| 8576300 | 427 | Woods Creek | 3-Jun | | | |
| 8275700 | 499 | N.F. Skykomish River | 6-Jul | | 6-Jul | |
| 8651900 | 642 | Thomas Creek | 2-Jun | | | |
| 8428100 | 4 | Hatt Slough | | 11-May | | |
| 8800300 | 80 | Vos Creek | | 5-Oct | | 2016 uw |
| 8414300 | 103 | Thomle | | 7-Jul | | |
| 8406300 | 165 | Chase Lake | | 4-Aug | | |
| 8596000 | 424 | Swede Heaven | | 11-May | | |
| 8574900 | 509 | Battle Creek | | 13-May | | |
| 364B | 650 | Thomsen Slough | | 7-Jul | | |
| 8639700 | 651 | Silvana | | 12-May | | |
| 0011411A | 653 | Old Stillaguamish River | | 6-Aug | | |

Legend:

uw=underwater inspection (4 total bridges) | ut=ultrasonic testing (3 bridges) | fc=fracture critical inspection (9 bridges)

Exhibit B

Snohomish County crossings with width/height/weight restrictions

| Bridge # | Route | M.P. | Roadway | Crossing | Width | Height | Tons |
|-----------|-------|--------|----------------------------|----------------------|-------|--------|------------|
| 1 | 24140 | 1.070 | Airport Way | Snohomish River | | 17' 0" | |
| 42 | 98929 | 9.450 | Jordan Rd | Jim Creek | 14'0" | | |
| 52 | 25190 | 0.365 | Tualco Loop | Tualco Slough | 17'0" | | |
| 56 | 87470 | 0.010 | Whitton Ave (Silverton) | S.F. Stillaguamish R | 16'0" | | |
| 81 | 84900 | 10.000 | Squire Creek Rd | Brown Creek | 15'0" | | |
| 107 | 54500 | 6.190 | Reiter Road | Deer Creek | 16'0" | | |
| 155 | 92555 | 1.530 | Tualco Road | Riley Slough | | | Various *1 |
| 304 | 46700 | 0.260 | 6th St (Snohomish) | Pilchuck River | | 14'3" | |
| 448 | 48650 | 0.090 | Sanders Road | Carpenter Creek | 15'0" | | |
| 494 | 54600 | 6.057 | Index-Galena Rd | Trout Creek | | | Various *2 |
| 496 | 54600 | 9.014 | Index-Galena Rd | Howard Creek | | | 5 |
| 504 | 90135 | 0.860 | Locust Way | Swamp Creek | | | Various *3 |
| 537 | 98960 | 18.180 | Mt. Loop Hwy | S.F. Stillaguamish R | | 14'9" | |
| 538 | 98960 | 12.060 | Mt. Loop Hwy | S.F. Stillaguamish R | | 14'9" | |
| 540 | 88400 | 0.150 | Reece's Hideout Rd | Sauk River | 13'0" | | 3 |
| 559 | 54100 | 0.820 | May Creek Road | May Creek | 13'0" | | |
| 581 | 85300 | 0.300 | Glover Rd. (64th St NE) | Pilchuck River | 15'0" | | Various *4 |
| 627 | 82640 | 0.090 | 260th St NE | Riley Creek | 15'0" | | |
| 1G34.7U | 92655 | 9.130 | Connelly Rd | Eastside Comm. Rail | | 12'0" | |
| 2A1746.2U | 54600 | 0.870 | Index-Galena Rd | BNRR undercrossing | | 15'11" | |
| 2A1775.0U | 92665 | 0.640 | Lincoln Way | BNRR undercrossing | | 16'2" | |
| 2B50.8U | 97880 | 3.630 | Norman Rd | BNRR undercrossing | 13'0" | 10'5" | |
| 2B51.5U | 70690 | 0.750 | Olson Rd (36th Ave NE) | BNRR undercrossing | 11'8" | 9'5" | |
| 660 | 98960 | 0.250 | 342nd Dr NE | S.F. Stillaguamish R | 15'0" | | |

Legend:

*1 = 23 tons - AASHTO 1 / 34 tons - AASHTO 2 / 40 tons - AASHTO 3

*2 = 19 tons - AASHTO 1 / 26 tons - AASHTO 2 / 30 tons - AASHTO 3

*3 = 20 tons - AASHTO 1 / 32 tons - AASHTO 2 / 40 tons - AASHTO 3

*4 = 17 tons - AASHTO 1 / 26 tons - AASHTO 2 / 34 tons - AASHTO 3

Bridge replacement and rehabilitation plan for deficient bridges

The county's current focus is to replace or rehabilitate bridges that are classified as SD or FO per NBIS.

Five replacement/ rehabilitation projects were in design phase at the end of 2013.

Since 1993, 64 bridges have been replaced or re-built in Snohomish County. Lists of future replacement / rehabilitation candidates, including short-span bridges, are shown in Exhibit 'C.'

2013 replacement/rehab design projects:

Howard Creek Bridge #496 replacement

The bridge site is located on the Index Galena Road at mile post 9.014 off Highway 2. The simple span log girders that were placed in 1976 for this 61' long bridge have begun to fail. The project has been funded and is currently in the design phase. A 5-ton weight limit has been in effect since August 27, 2008.

Jim Creek Bridge #42 replacement

This project proposed to replace the existing one-lane, two-way, functionally obsolete bridge. Construction began in 2013 and was completed in April 2014.

Pilchuck River #581 replacement

Built in 1960, this is a one-lane, six-span bridge connecting an agricultural area off of Highway 92 to 64th Street NE, in the Lochsloy area.

The Pilchuck River is prone to flash-flooding, causing high water damage to the bridge structural elements. Several short term fixes have been attempted for this bridge. This bridge is currently weight restricted. A replacement bridge has been funded and is in the design phase.

S. F. Sauk River #540 replacement

Built in 1977, this two-span bridge, located southeast of Darrington near the Mt. Loop Highway, is listed as SD. The existing steel and log girders are in poor condition. A 3 ton weight restriction has been in effect since October 5, 2009. A repair rehabilitation project has been funded by the county road fund and the project will be completed in 2014.

Swamp Creek #504 replacement

The two span concrete and timber bridge is located on Locust Way to the east of the Town of Brier on Swamp Creek. This bridge is used by more than 9,722 vehicles per day. A replacement bridge is being designed and will be advertised for bids in 2015.



Howard Creek Bridge 496 to be replaced with federal funding.



Pilchuck River Bridge 581 to be replaced with federal funding.

Exhibit C

Future replacement/rehabilitation candidates

The following county bridges are listed, as of December 31, 2013, as structurally deficient under NBIS and are recommended for future replacement or rehabilitation. There are a total of 14 structurally deficient (SD) bridges listed below.

| Bridge # | Name | Deficiencies/Concerns | Sufficiency Rating | Rd Func Class |
|----------|----------------|--|--------------------|---------------|
| 504* | Swamp Creek | Rotten piles | 7.00 | 16 |
| 540* | SF Sauk River | Cracked timber log girder, end rot | 7.88 | 9 |
| 559* | May Creek | Scour exposing piles | 8.16 | 9 |
| 496* | Howard Creek | Rotten timber girders | 14.04 | 7 |
| 155 | Riley Slough | Concrete deck and rotten timber pile | 19.25 | 9 |
| 556 | Coal Creek | Rotten timber caps | 27.33 | 7 |
| 494 | Trout Creek | Scour problem at piers #2 and #3 | 28.25 | 7 |
| 581* | Pilchuck River | Rotten Piles | 34.37 | 9 |
| 446 | Woods Creek | Scour and aged timbers | 39.26 | 7 |
| 547 | Black Creek | Rotten timber pier caps and piles | 39.71 | 7 |
| 102 | Granite Falls | Fractural critical, deck deterioration | 41.06 | 16 |
| 670 | Deer Creek | Rotten timber submerged piles | 48.02 | 7 |

* Funded for replacement

Short span bridges

Bridges with a length of 20 feet or less are classified as short span bridges and are not eligible for BRAC funding under the current federal funding policy. The following county short span bridges are determined to be structurally deficient and are recommended for replacement or rehabilitation:

| Bridge # | Name | Deficiencies/Concerns | Sufficiency Rating | Rd Func Class |
|----------|---------------|--------------------------|--------------------|---------------|
| 311 | Portage Creek | Rotten pile substructure | 26.06 | 9 |
| 158 | Barr Creek | Rotten piles | 36.13 | 7 |

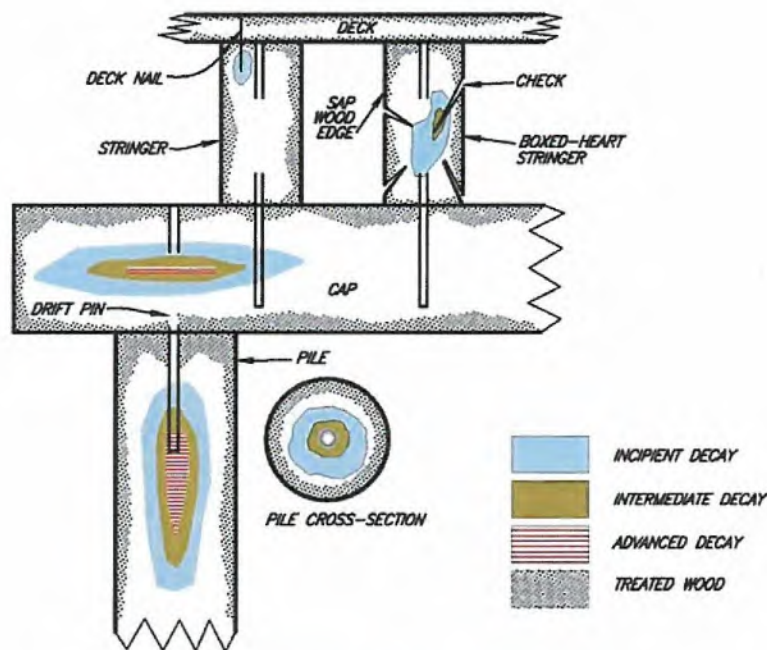
Maintenance and repair recommendations

The majority of bridge repair and maintenance work is done by county crews, with support from various vendors. This includes cleaning, minor painting, and replacing existing components which have deteriorated. Twenty-four (24) maintenance work orders were completed in 2012 (see Exhibit D).

Work planned for 2014 includes major work orders and routine maintenance on most of our bridges. The work included replacing deck planks, timber stringers, wing wall piles, retaining walls, asphalt approaches, concrete repair and bridge cleaning.



In 2013, county crews repaired expansion joints on Pilchuck Creek Bridge 626.



Typical timber bridge decay types

Exhibit D

Work orders completed in 2013

| Bridge # | Name | Work Order # | Comments |
|----------|--------------------|--------------|--|
| 4 | Hatt Slough | 13-004 | Patched exposed rebar on Span 5 soffit b/t Girders C & D. |
| 94 | Sultan | 13-094 | Checked & tightened bolts & braces all spans. |
| 122 | Wes Smith | 13-122 | Repaired broken latch post on NE access hole cover under bridge & placed new lock. Removed abandoned 1" steel conduit SW corner under bridge. |
| 151 | Shinglebolt Slough | 13-151 | Installed fireproof plywood covers to wood girders at N abutment. |
| 267 | Woods Creek | 11-267 | Replaced 8 wingwall piles, 2 ea corner. Replaced Cap 1A & Pile 2A. |
| 299 | Woods Creek | 13-299 | Supported wingwalls with blocks & fabric wraps @ all 4 corners. |
| 301 | Woods Creek | 13-301A | Replaced (1) NE 10 x 10 transition post and treated for carpenter ants in this area. |
| 311 | Portage Creek | 13-311 | Replaced 2 wing wall piles @ NE & 1 @ SW & structural pile 1E @ NW. Repaired NE, SW corners & road settlement both sides of bridge. |
| 404 | Woods Creek | 13-404 | Supported wingwalls with blocks @ all 4 corners. |
| 464 | Grant Creek | 13-464 | Repaired spalls @ Girder 1C, 1D, A, G & H. Cleaned/painted anchor bracket both ends. Pressure washed rail & expansion joints. Cut brush. |
| 494 | Trout Creek | 11-494 | Repaired void under P3 by adding concrete under & around footing. |
| 494 | Trout Creek | 13-494 | Cleaned, painted & patched rebar & spalls on Girder 1A flange - 4 locations, approx. 10 sf. Removed timber blocks from all piers. |
| 520 | Bear Creek | 13-520 | Repaired sloughing walk under rail at transition. |
| 540 | Reece's Hideout | 13-540A | Added 3 temporary full width false bents at Span 2 to support the 3 remaining log girders. |
| 556 | Coal Creek | 13-556 | Sprayed for ants @ P3 cap & stringers. Removed ant habitat debris under Span 3. |
| 579 | Dutch Creek | 13-579 | Removed wood under bridge; replaced (2) 10 x 10 transition posts SE corner; tightened nut on E curb anchor bolt. Installed 2 snow stakes, 1 post reflector, 4 curl reflectors & cleaned gutters. |
| 581 | Pilchuck River | 13-581 | Added fender planks 20' x 10" x 3", 2 @ P4-N & 3 @ P4-S. |

Work orders completed in 2013 (cont.)

| Bridge # | Name | Work Order # | Comments |
|----------|-----------------|--------------|--|
| 593 | Green Creek | 13-593 | Installed banding @ Pile 2B. |
| 594 | Harvey Creek | 13-594 | Applied insecticide & repaired insect damage @ A1 (L-M) and A2 (L-M). |
| 604 | Giles Road | 13-604 | Replaced 12 stringers (6" x 16" x 19') & any unsalvagable deck planks |
| 620 | Wisconsin Creek | 13-620 | Repaired SW curb / walkway corner / protruding rebar. Filled/repared void behind NW abutment planks. |
| 627 | Lake Riley | 13-627 | Replaced 8.5 rotten deck planks (18' x 1' x 4-1/2"). |
| 654 | Clear Creek | 13-654 | Repaired ACP settlement @ south approach. |
| C62 | Culvert C62 | 13-C62 | Removed woody debris, brush & trees within 10' of culvert openings (upstream & downstream). |

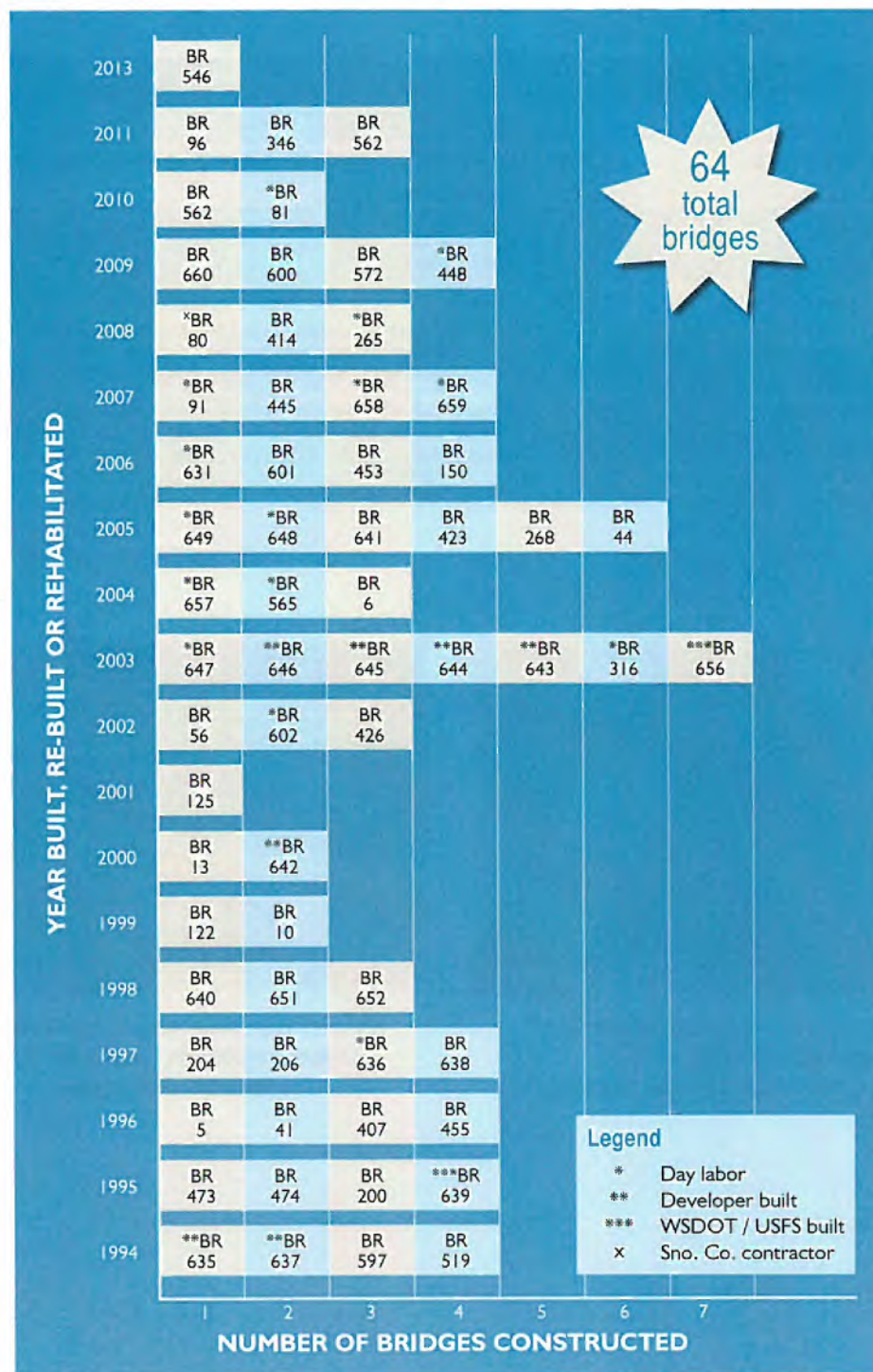


County bridge crew replacing concrete "tubs" after foundation repairs on Portage Creek Bridge 311 near Arlington.



County bridge crew ready to pour concrete for foundation repairs on Trout Creek Bridge 494 on Index Galena Road.

Bridge construction 1994-2013



Glossary of bridge terms

Abutment – a substructure supporting the end of a super-structure and, in general, retaining or supporting the bridge approach fill.

Approach span – the span or spans connecting the abutment with the main span or spans.

Beam – a linear structural member designed to span from one support to another.

Bent – a supporting unit of the beams of a span made up of one or more column connected at their top-most ends by a cap.

Bracing – a system of tension or compression members connected to diagonal beams or chords of a truss. It transfers wind, dynamic, impact, and vibratory stresses to the substructure and gives rigidity throughout the complete assemblage. Can also refer to diagonal members that tie two or more columns of a bent together.

Cap – the horizontally-oriented, top-most piece or member of a bent.

Cast-in-Place – concrete poured within form work on site to create a structural element in its final position.

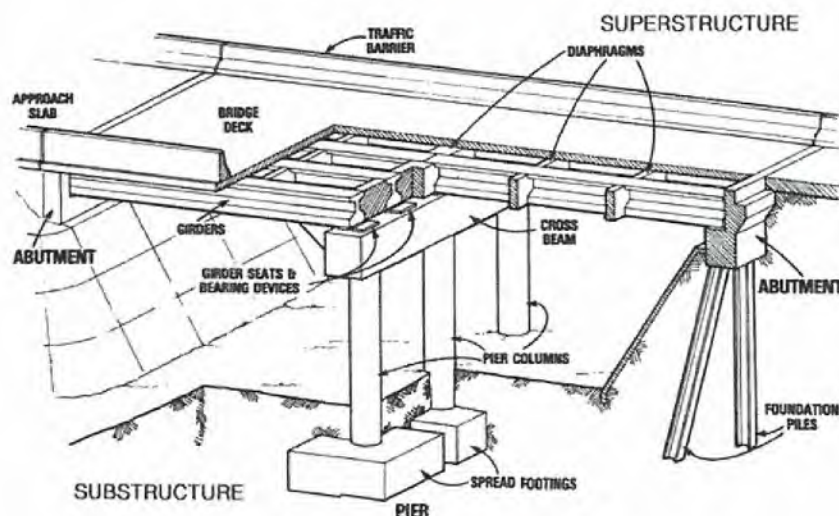
Chord – in a truss, the upper-most and the lower-most longitudinal members, extending the full length of the truss.

Column – a vertical structural member that transfers dead and live load from the bridge deck and girders to the footings or shafts.

Compression – a type of stress involving a pressing or squeezing together; tends to shorten a member; opposite of tension.

Culvert – a pipe or small structure used for drainage under a road, railroad or other embankment. A culvert with a diameter greater than 20 feet is included in the National Bridge Inventory and receives a rating using the NBI scale.

Dead load – a static load due to the weight of the structure itself.



Basic bridge parts

Deck – the roadway portion of a bridge that provides direct support for vehicular and pedestrian traffic.

Deck bridge – a bridge in which the supporting members are all beneath the roadway.

Deck truss – a bridge whose roadway is supported from beneath by a truss.

Diagonal – a sloping structural member of a truss or bracing system.

Elastomeric pads – rectangular pads made of neoprene, found between the sub-structure and superstructure that bears the entire weight of the superstructure. Elastomeric pads can deform to allow for thermal movements of the superstructure.

End wall – the wall located directly under each end of a bridge that holds back approach roadway fills. The end wall is part of the abutment.

Expansion joint – A joint designed to provide means for expansion and contraction movements produced by temperature changes, load, or other forces.

Fatigue – Cause of structural deficiencies, usually due to repetitive loading over time.

Footing – The enlarged, lower portion of a sub-structure that distributes the structure load either to the earth or to supporting piles; the most common footing is the concrete slab; “footer” is a colloquial term for footing.

Fracture critical member – a member in tension or with a tension element whose failure would probably cause a portion of or the entire bridge to collapse.

Girder – a main support member for the structure that usually receives loads from floor beams and stringers; also, any large beam, especially if built up.

Hanger – a tension member serving to suspend an attached member.

Hinge – a point in a structure at which a member is free to rotate.

Live load – vehicular traffic, wind, water, and/or earthquakes.

Lower chord – the bottom horizontal member of a truss.

Main beam – a beam supporting the spans and bearing directly onto a column or wall.

Member – an individual angle, beam, plate, or built piece intended to become an integral part of an assembled frame or structure.

Pier – a structure comprised of stone, concrete, brick, steel, or wood that supports the ends of the spans of a multispan superstructure at an intermediate location between abutments. A pier is usually a solid structure as opposed to a bent, which is usually made up of columns.

Pile – a linear (vertical) member of timber, steel, concrete, or composite materials driven into the earth to carry structure loads into the soil.

Pile bent – A row of driven or placed piles with a pile cap to hold them in their correct positions; see “Bent.”

Plate girder – a large, solid web plate with flange plates attached to the web plate by flange angles or fillet welds. Typically fabricated from steel.

Post or column – a member resisting compressive stresses, in a vertical or near vertical position.

Pre-cast girder – fabricated off site of Portland Cement Concrete, reinforcing steel and post-tensioning cables.

Reinforced concrete – concrete with steel reinforcing bars bonded within it to supply increased tensile strength and durability.

Scour – erosive action of removing streambed material around bridge substructure due to water flow. Scour is of particular concern during high-water events.

Short span bridge – these bridges have a single NBIS span length of 20 feet or less.

Spall – a concrete deficiency wherein a portion of the concrete surface is popped off from the main structure due to the expansive forces of corroding steel rebar underneath.

Span – The distance between piers, towers, or abutments.

Steel – A very hard and strong alloy of iron and carbon.

Stringer – a longitudinal beam (less than 30 feet long) supporting the bridge deck, and in large bridges, framed into or upon the floor beams.

Sufficiency rating – the sufficiency rating is a numeric value from 100 (a bridge in new condition) to 0 (a bridge incapable of carrying traffic). The sufficiency rating is the summation of four calculated values: Structural Adequacy and Safety, Serviceability and Functional Obsolescence, Essentiality for Public Use, and Special Reductions.

Substructure – the abutment, piers, grillage, or other structure built to support the span or spans of a bridge superstructure, and distributes all bridge loads to the ground surface. Includes abutments, piers, bents, and bearings.

Superstructure – the entire portion of a bridge structure which primarily receives and supports traffic loads and in turn transfers the reactions to the bridge substructure; usually consists of the deck and beams or, in the case of a truss bridge, the entire truss.

Tension – type of stress involving an action which pulls apart.

Tie – a member carrying tension.

Torsion – a twisting force or action.

Trestle – a bridge structure consisting of beam spans supported upon bents. Trestles are usually made of timber and have numerous diagonal braces, both within each bent and from bent to bent.

Truss – a rigid, jointed structure made up of individual straight pieces arranged and connected, usually in a triangular pattern, so as to support longer spans.

Truss bridge – a bridge having a pair of trusses for the superstructure.

Upper chord – the top longitudinal member of a truss.

Web – the portion of a beam located between and connected to the flanges.

Welded joint – a joint in which the assembled elements and members are united through fusion of metal.

Wheel rail – a timber curb fastened directly to the deck, most commonly found on all-timber bridges.

Wing wall – walls connected to the abutment ends that support roadway fill of the approach.

WSDOT glossary of bridge terms: <http://www.wsdot.wa.gov/Projects/SR24/I82toKeysRd/BridgeGlossary.htm>

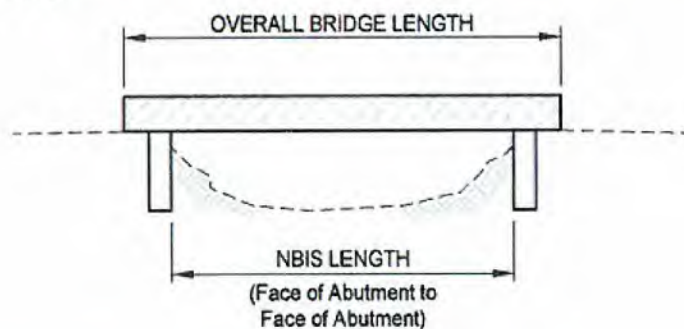
Appendix A

2013 Snohomish County Bridge Inventory | 200 bridges (31 short span bridges, 4 culverts, 1 ped UC)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-----------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 1 | Snohomish River | 359 | 36 | 3 | 14,148 | 3 | 1983 |
| 3 | Ebey Slough | 714 | 28 | 2 | 1,141 | 6 | 1976 |
| 4 | Hatt Slough | 800 | 40 | 2 | 5,826 | 13 | 1985 |
| 5 | Pilchuck River | 212 | 34 | 2 | 717 | 8 | 1996 |
| 6 | Woods Creek | 82 | 40 | 2 | 9,823 | 4 | 2004 |
| 10 | Pilchuck River | 138 | 39 | 2 | 4,309 | 17 | 1999 |
| 13 | French Creek | 116 | 40 | 2 | 4,058 | 17 | 2000 |
| 15 | Dubuque | 279 | 40 | 2 | 4,362 | 7 | 1991 |
| 24 | Pilchuck River | 210 | 40 | 2 | 5,021 | 4 | 1992 |
| 41 | High Bridge | 426 | 34 | 2 | 1,568 | 30 | 1996 |
| 42 | Jim Creek | 85 | 14 | 1 | 1,246 | 26 | 1914* |
| 44 | Machias-O.K. | 244 | 40 | 2 | 7,611 | 10 | 2005 |
| 48 | Jackson Gulch | 184 | 26 | 2 | 891 | 5 | 1968 |
| 52 | Tualco Slough | 77 | 17 | 1 | 101 | 3 | 1970* |
| 56 | Silverton | 274 | 16 | 1 | 20 | none | 1989* |
| 58 | Madden | 138 | 24 | 2 | 886 | 12 | 1956 |
| 67 | Pilchuck River | 189 | 28 | 2 | 1,982 | 13 | 1978 |
| 70 | Startup | 227 | 28 | 2 | 407 | none | 1993 |
| 80 | Vos Creek | 153 | 28 | 2 | 273 | none | 2008 |
| 81 | Brown Creek | (15) 17 | 15 | 1 | 13 | none | 1951* |
| 87 | Chappell | 297 | 26 | 2 | 5,140 | 22 | 1966 |
| 89 | Oso Bridge | 580 | 24 | 2 | 259 | 4 | 1990 |
| 92 | Portage Creek | 129 | 34 | 2 | 973 | 9 | 1990 |
| 94 | Sultan | 469 | 26 | 2 | 2,218 | 19 | 1961 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'



2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-------------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 96 | Skykomish River Slough | 90 | 21 | 2 | 2,050 | 22 | 1970 |
| 101 | Larson | 304 | 26 | 2 | 3382 | 12 | 1963 |
| 102 | Granite Falls | 340 | 20 | 2 | 4,987 | 94 | 1934 |
| 103 | Thomle | 255 | 28 | 2 | 5,586 | 5 | 1959 |
| 107 | Deer Creek | 37 | 16 | 1 | 58 | 14 | 1978* |
| 108 | Whiteman | 160 | 24 | 2 | 241 | none | 1988 |
| 111 | Halterman Spur | 232 | 27 | 2 | 149 | none | 1980 |
| 115 | Peterson | 206 | 26 | 2 | 1,400 | 7 | 1963 |
| 116 | Miller Road Cattle Pass | (16) 19 | 19 | 2 | 959 | 5 | 1963 |
| 122 | Wes Smith Bridge | 271 | 26 | 2 | 830 | 15 | 1999 |
| 143 | Haystack Creek | 26 | 34 | 2 | 1108 | none | 1991 |
| 148 | South Slough | 188 | 34 | 2 | 2,050 | 22 | 1984 |
| 150 | Skykomish River Slough | 91 | 34 | 2 | 2,099 | 22 | 2006 |
| 151 | Shinglebolt Slough | 140 | 26 | 2 | 2,272 | 22 | 1962 |
| 155 | Riley Slough | 206 | 18 | 2 | 528 | 3 | 1930 |
| 158 | Barr Creek | (18) 21 | 23 | 2 | 1,764 | 22 | 1956 |
| 165 | Chase Lake | 455 | 30 | 2 | 5,113 | 1 | 1968 |
| 183 | Cattle Pass | 61 | 23 | 2 | 3,749 | 4 | 1972 |
| 190 | Cattle Pass | 30 | 23 | 2 | 3,059 | 8 | 1970 |
| 200 | South Lake Stevens | 410 | 30 | 2 | 4,341 | 5 | 1995 |
| 204 | Robe-Menzel | 206 | 30 | 2 | 2474 | 12 | 1997 |
| 206 | Robe-Menzel | 110 | 29 | 2 | 2794 | 12 | 1997 |
| 214 | Jordan Creek | 107 | 19 | 2 | 1093 | 26 | 1981 |
| 242 | Woodland | 146 | 21 | 2 | 960 | 4 | 1984 |
| 246 | Jorgenson Slough | 61 | 25 | 2 | 5366 | 5 | 1967 |
| 265 | Carpenter Creek | 24 | 23 | 2 | 788 | 10 | 1964 |
| 267 | Woods Creek | 31 | 19 | 2 | 2129 | 8 | 1935 |
| 268 | Little Pilchuck Creek | 85 | 40 | 2 | 4632 | 8 | 2005 |
| 270 | Little Pilchuck Creek | 28 | 23 | 2 | 3655 | 2 | 1977 |
| 271 | Hyland Road | (18) 21 | 23 | 2 | 1801 | 3 | 1957 |
| 272 | Gregory Road | 41 | 23 | 2 | 677 | 1 | 1961 |
| 298 | Woods Creek | 50 | 34 | 2 | 1656 | 2 | 1991 |
| 299 | Woods Creek | 60 | 26 | 2 | 1574 | 2 | 1968 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'

2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-----------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 300 | Richardson Creek | (18) 21 | 23 | 2 | 6292 | 1 | 1961 |
| 301 | Woods Creek | 61 | 26 | 2 | 1801 | 1 | 1968 |
| 304 | 6TH ST | 228 | 18 | 2 | 548 | 4 | 1924 |
| 311 | Portage Creek | (18) 21 | 23 | 2 | 1166 | 2 | 1972 |
| 316 | Oso Loop | 28 | 23 | 2 | 92 | 2 | 2003 |
| 346 | West Lake Goodwin | (15) 18 | 24 | 2 | 1151 | 1 | 1944 |
| 366 | Scriber Creek | (19) 21 | 23 | 2 | 2731 | 2 | 1963 |
| 404 | Woods Creek | 60 | 22 | 2 | 1420 | 1 | 1967 |
| 407 | Pilchuck Creek | 280 | 34 | 2 | 2147 | 12 | 1996 |
| 414 | Sauk River | 522 | 18 | 2 | 768 | 20 | 2008 |
| 416 | Crescent | 272 | 28 | 2 | 1409 | 22 | 1983 |
| 419 | Quilceda Creek | 906 | 48 | 4 | 12488 | 24 | 1988 |
| 420 | Sturgeon Creek | 432 | 48 | 3 | 14961 | 24 | 1988 |
| 422 | Roesiger | 28 | 19 | 2 | 74 | 1 | 1985 |
| 423 | Dubuque Creek | 56 | 40 | 2 | 6773 | 10 | 2005 |
| 424 | Swede Heaven | 308 | 34 | 2 | 795 | none | 1991 |
| 425 | Dan Creek | 95 | 28 | 2 | 495 | none | 1971 |
| 426 | Little Pilchuck Creek | 95 | 32 | 2 | 1034 | 3 | 2002 |
| 427 | Woods Creek | 165 | 40 | 2 | 3142 | 4 | 1990 |
| 429 | Elwell Creek | 101 | 28 | 2 | 635 | 17 | 1973 |
| 430 | Norman Slough | 167 | 19 | 2 | 45 | 1 | 1979 |
| 433 | Fisher Creek | 129 | 19 | 2 | 181 | 2 | 1987 |
| 436 | Scherrer Road | 88 | 19 | 2 | 46 | none | 1985 |
| 438 | Brooks Creek | 57 | 26 | 2 | 18 | none | 1984 |
| 443 | Woods Creek | 81 | 17 | 1 | 17 | none | 1989* |
| 445 | Woods Creek | 82 | 34 | 2 | 1780 | 4 | 2007 |
| 446 | Woods Creek | 41 | 23 | 2 | 1349 | 16 | 1966 |
| 448 | Carpenter Creek | 40 | 11 | 1 | 22 | none | 2009* |
| 449 | Woods Creek | 28 | 23 | 2 | 1326 | 14 | 1963 |
| 452 | Little Pilchuck Creek | (18) 21 | 21 | 2 | 213 | 1 | 1970 |
| 453 | Little Pilchuck Creek | 34 | 28 | 2 | 7364 | 4 | 2006 |
| 454 | Catherine Creek | (17) 20 | 22 | 2 | 907 | 8 | 1985 |
| 459 | Swamp Creek | 25 | 23 | 2 | 9823 | 2 | 1963 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'

2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|---------------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 464 | Grant Creek | 85 | 30 | 2 | 371 | none | 1978 |
| 466 | Swede Creek | 33 | 23 | 2 | 436 | none | 1985 |
| 470 | Backman Creek | 44 | 34 | 2 | 126 | 94 | 1979 |
| 473 | Turlo Creek | 114 | 35 | 2 | 702 | 94 | 1995 |
| 474 | Benson Creek | 67 | 34 | 2 | 659 | 94 | 1995 |
| 479 | Lewis Creek | 30 | 22 | 2 | 233 | none | 1968 |
| 488 | South Bitter Creek | 52 | 22 | 2 | 227 | none | 1967 |
| 489 | North Bitter Creek | 51 | 22 | 2 | 227 | | 1967 |
| 494 | Trout Creek | 120 | 20 | 2 | 163 | none | 1966 |
| 495 | Lost Creek | (15) 16 | 22 | 2 | 151 | none | 1972 |
| 496 | Howard Creek | 61 | 26 | 2 | 137 | none | 1976 |
| 497 | Twentytwo Creek | 31 | 26 | 2 | 671 | 94 | 1952 |
| 499 | N.F. Skykomish River | 173 | 26 | 2 | 97 | none | 1970 |
| 500 | Troublesome Creek | 203 | 28 | 2 | 92 | none | 1973 |
| 502 | Swamp Creek | 56 | 28 | 2 | 2776 | 4 | 1993 |
| 503 | Swamp Creek | 41 | 23 | 2 | 6655 | 4 | 1960 |
| 504 | Swamp Creek | 41 | 23 | 2 | 9260 | 2 | 1958 |
| 505 | Swamp Creek | 40 | 26 | 2 | 3048 | 2 | 1968 |
| 509 | Battle Creek | 143 | 36 | 2 | 1590 | 2 | 1989 |
| 510 | Koch's Slough | 52 | 21 | 2 | 30 | none | 1981 |
| 511 | Segelson Creek | 55 | 28 | 2 | 496 | none | 1981 |
| 519 | Ricci Creek | 92 | 34 | 2 | 1318 | 19 | 1994 |
| 520 | Bear Creek | 55 | 29 | 2 | 1225 | none | 1993 |
| 521 | Bear Creek | 31 | 23 | 2 | 1510 | 3 | 1969 |
| 522 | North Creek | 31 | 23 | 2 | 273 | none | 1969 |
| 529 | Olney Creek | 86 | 28 | 2 | 59 | none | 1990 |
| 536 | Wallace River | 106 | 28 | 2 | 289 | none | 1970 |
| 537 | Red Bridge | 209 | 26 | 2 | 189 | 94 | 1954 |
| 538 | S.F. Stilli (Blue Bridge) | 211 | 26 | 2 | 538 | 94 | 1954 |
| 540 | S.F. Sauk River | 203 | 13 | 1 | 14 | none | 1986* |
| 541 | Brandstrom Road | (17) 20 | 21 | 2 | 332 | 8 | 1985 |
| 542 | Jim Creek | 87 | 18 | 2 | 170 | none | 1985 |
| 544 | Buck Creek | 91 | 13 | 1 | 95 | 94 | 1960* |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'

2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-----------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 545 | Hjort Road | 30 | 19 | 2 | 36 | none | 1985 |
| 546 | Swamp Creek | 41 | 27 | 2 | 2940 | 3 | 1966 |
| 547 | Black Creek | 91 | 26 | 2 | 575 | 94 | 1952 |
| 549 | Woods Creek | (19) 21 | 19 | 2 | 158 | 9 | 1984 |
| 550 | Sexton Road | 24 | 24 | 2 | 29 | 4 | 1964 |
| 551 | Perry Creek | 61 | 26 | 2 | 111 | 94 | 1958 |
| 552 | Bear Creek | 40 | 54 | 3 | 6555 | 3 | 1989 |
| 555 | Grant Creek | 48 | 26 | 2 | 12 | none | 1984 |
| 556 | Coal Creek | 70 | 26 | 2 | 239 | 94 | 1949 |
| 559 | May Creek | 31 | 28 | 2 | 111 | 6 | 1975 |
| 561 | Purdy Creek | 86 | 24 | 2 | 43 | none | 1980 |
| 562 | Marten Creek | 135 | 26 | 2 | 141 | 94 | 2010 |
| 564 | Olney Creek | 100 | 24 | 2 | 40 | none | 1991 |
| 565 | Everett Creek | (12) 15 | 21 | 2 | 86 | 4 | 2004 |
| 566 | Green Creek | (19) 20 | 21 | 2 | 53 | 4 | 1984 |
| 567 | Woods Creek | 29 | 21 | 2 | 25 | none | 1985 |
| 569 | Church Creek | (17) 21 | 22 | 2 | 133 | 4 | 1990 |
| 571 | Little Pilchuck Creek | (18) 21 | 23 | 2 | 644 | 3 | 1961 |
| 572 | May Creek | 79 | 26 | 2 | 263 | none | 2008 |
| 574 | Olney Creek | 47 | 26 | 2 | 27 | none | 1991 |
| 576 | Schweitzer Creek | 31 | 26 | 2 | 516 | 94 | 1952 |
| 578 | Quilceda Creek | (18) 21 | 23 | 2 | 986 | 3 | 1967 |
| 579 | Dutch Creek | 20 | 19 | 2 | 48 | 4 | 1985 |
| 581 | Pilchuck River | 179 | 15 | 1 | 111 | none | 1960* |
| 582 | Quilceda Creek | (18) 20 | 21 | 2 | 12196 | 3 | 1940 |
| 587 | Boardman Creek | 91 | 26 | 2 | 487 | 94 | 1952 |
| 593 | Green Creek | (15) 18 | 21 | 2 | 365 | 4 | 1985 |
| 594 | Harvey Creek | (18) 20 | 19 | 2 | 73 | 2 | 1974 |
| 596 | Jim Creek | 101 | 22 | 2 | 27 | none | 1981 |
| 597 | Marshland | 53 | 36 | 2 | 7918 | 5 | 1994 |
| 598 | Merritt Creek | (17) 20 | 21 | 2 | 57 | none | 1935 |
| 600 | Swamp Creek | 30 | 32 | 2 | 6235 | 2 | 2009 |
| 601 | Little Pilchuck Creek | 43 | 18 | 1 | 266 | none | 2006 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'

2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-------------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 602 | Black Creek | 24 | 21 | 2 | 554 | none | 2002 |
| 603 | Trout Creek | (19) 22 | 21 | 2 | 218 | none | 1984 |
| 604 | Giles Road | (17) 20 | 21 | 2 | 98 | none | 1984 |
| 605 | Airport Road | 32 | 80 | 5 | 23513 | 2 | 1967 |
| 608 | Woods Creek | 31 | 23 | 2 | 356 | 10 | 1960 |
| 620 | Wisconsin Creek | 31 | 26 | 2 | 554 | 94 | 1960 |
| 625 | Bear Creek | 31 | 27 | 2 | 3571 | 3 | 1973 |
| 626 | Pilchuck Creek | 180 | 24 | 2 | 305 | 6 | 1933 |
| 627 | Lake Riley | (16) 18 | 16 | 1 | 39 | none | 1985* |
| 628 | Star Creek | (18) 20 | 21 | 2 | 1382 | 2 | 1984 |
| 629 | Star Creek | (18) 21 | 21 | 2 | 113 | 2 | 1984 |
| 630 | Mc Govern Creek | (18) 20 | 21 | 2 | 28 | 2 | 1985 |
| 631 | Mouse Creek | 30 | 26 | 2 | 697 | none | 2006 |
| 632 | Pilchuck Overflow | 84 | 36 | 2 | 15188 | 6 | 1948 |
| 633 | Pilchuck River | 229 | 28 | 2 | 14983 | 6 | 1948 |
| 634 | Swede Creek | 24 | 24 | 2 | 158 | none | 1992 |
| 636 | Hogarty Creek | (18) 20 | 23 | 2 | 167 | 15 | 1997 |
| 639 | Homeacres Rd | 100 | 40 | 2 | 903 | 7 | 1994 |
| 640 | Lauck Road | 112 | 34 | 2 | 3525 | 4 | 1998 |
| 642 | Thomas Creek | 124 | 66 | 3 | 11966 | 8 | 2000 |
| 643 | Glengarry PRD 1 | 70 | 24 | 2 | 100 | none | 2003 |
| 644 | Glengarry PRD 2 | 88 | 24 | 2 | 100 | none | 2003 |
| 645 | Glengarry PRD 3 | 66 | 36 | 2 | 100 | none | 2003 |
| 646 | Glengarry PRD 4 | 39 | 16 | 1 | 2 | none | 2003* |
| 647 | Lewis Creek | 40 | 24 | 2 | 291 | none | 2003 |
| 648 | Lewis Creek | 30 | 24 | 2 | 291 | none | 2005 |
| 649 | Hevly Road | 80 | 23 | 2 | 30 | none | 2005 |
| 650 | Thomsen Slough | 80 | 28 | 2 | 4454 | 6 | 1919 |
| 651 | Silvana | 230 | 39 | 2 | 4165 | 6 | 1998 |
| 652 | Johnson Slough | 28 | 39 | 2 | 4267 | 6 | 1919 |
| 653 | Old Stillaguamish River | 352 | 32 | 2 | 2015 | 6 | 1979 |
| 654 | Clear Creek | 125 | 28 | 2 | 205 | 94 | 1960 |
| 655 | Sauk River | 169 | 28 | 2 | 160 | 94 | 1983 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'

2013 Snohomish County Bridge Inventory (cont.)

| Bridge # | Name | (NBIS Length) Length-ft | Width-ft | Lanes | Traffic (ADT) | Detour (miles) | Year Built |
|----------|-------------------------|----------------------------|----------|-------|------------------|-------------------|---------------|
| 656 | Dutch Creek | 108 | 27 | 2 | 160 | none | 2003 |
| 657 | Bob Lewis Creek | 30 | 27 | 2 | 697 | none | 2004 |
| 658 | Little Beaver Creek | (20) 22 | 28 | 2 | 538 | 94 | 2007 |
| 659 | Mt. Pilchuck Road | (18) 25 | 23 | 2 | 50 | none | 2007 |
| 660 | Monte Cristo Grade Road | 248 | 12 | 1 | 20 | none | 2009* |
| 670 | Deer Creek | 187 | 26 | 2 | 79 | 94 | 1949 |
| 800 | CRTS Access Road | 71 | 36 | 2 | 220 | none | 2002 |
| C08 | Culvert C8 | 23 | 65 | 5 | 41397 | 4 | 1960 |
| C14 | Culvert C14 | 21 | 65 | 2 | 2349 | 2 | 1995 |
| C62 | Culvert C62 | 50 | 36 | 2 | 13374 | 6 | 1986 |
| C66 | Fairgrounds Entrance | 51 | 21 | 2 | 3587 | 4 | 1985 |

* single-lane (curb to curb width < 18')

Red text = NBIS length if < 20'



Pedestrian bridge under construction on the Lime Kiln Trail for Snohomish County Parks.



Finished pedestrian bridge on Lime Kiln Trail.